

**U.S. DEPARTMENT OF COMMERCE**  
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DEPARTMENT OF THE ARMY JUSTIFICATION OF ESTIMATES FOR FISCAL YEAR 1981, SUBMITTED  
TO CONGRESS JANUARY 1980, PROCUREMENT PROGRAMS, AIRCRAFT, MISSILES WEAPONS &  
TRACKED COMBAT VEHICLES AMMUNITION AND OTHER PART 5 OF 5 PARTS

DEPARTMENT OF THE ARMY

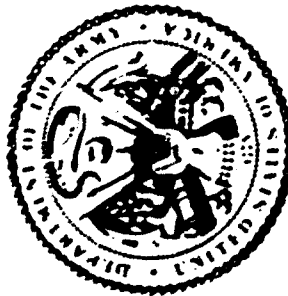
JANUARY 1980

ADA 082809

# DEPARTMENT OF THE ARMY JUSTIFICATION OF ESTIMATES FOR FISCAL YEAR 1981

SUBMITTED TO CONGRESS

JANUARY 1980



PART 5 OF 5 PARTS  
(OTHER)

PROCUREMENT

PROGRAMS

AIRCRAFT

WEAPONS & TRACKED COMBAT VEHICLES

AMMUNITION

*and*

OTHER

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20. ABSTRACT (Continue on reverse side if necessary and identify by block number) In justification of programs requested, this document, in separate volume for each of the five Procurement Appropriations, provides backup data for the Army Budget submission for FY 1981. Included are Summaries of Requirements, Program and Financing Statements and Selected Data Sheets. (This document has been declassified for NTIS distribution).  * other Army		

DEPARTMENT OF THE ARMY  
Office of the Deputy Chief of Staff  
For  
RESEARCH, DEVELOPMENT AND ACQUISITION

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28 January 1980

DEPARTMENT OF THE ARMY  
PROCUREMENT APPROPRIATIONS

Justification of Estimates for Fiscal Year 1981, 82 (Auth only)

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DEPARTMENT OF THE ARMY  
Other Procurement, Army

Justification of Estimates for Fiscal Year 1980

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OTHER PROCUREMENT, ARMY

Section 1

Budget Appendix Extract

Language

Program and Financing Schedule

Object Classification Schedule

APPROPRIATION LANGUAGE

For construction, procurement, production, and modification of vehicles, including tactical, support and nontracked combat vehicles; the purchase of not to exceed seventy one four thousand eighty four passenger motor vehicles for replacement only; (1) communications and electronic equipment; other support equipment; spare parts, ordnance and accessories therefor; specialized equipment and training devices; expansion of public and private plants, including the land necessary therefor; specialized section 4774, title 10, United States Code, for the foregoing purposes, and such lands and interests therein, without regard to construction prosecuted thereon prior to approval of title as required by section 355, Revised Statutes, may be acquired, and ment and installation of equipment, appliances, and machine tools in public and private plants; reserve plant and procure- contractor-owned equipment layaway; and other expenses necessary for the foregoing purposes: \$1,435,410,000 and in procure- \$47,000,000 which shall be derived by transfer from "Other Procurement, Army, 1979/1981" \$2,129,758,000 to remain available for obligation until September 30 1982 1983. (2)

(10 U.S.C. 2353, 3012, 4531, 4532, 31 U.S.C. 649c; Department of Defense Appropriation Act, 1980). (3)

EXPLANATION OF LANGUAGE CHANGES

- (1) To change the number of passenger carrying vehicles authorized for procurement in FY 1981.
- (2) To change the amount of appropriation requested for FY 1981.
- (3) To change the obligation expiration date for the FY 1981 program.

Army

Other Procurement, Army

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## Program and Financing (in thousands of dollars)

Identification code	21-2035-0-1-051	Budget plan (amounts for procurement actions programmed)				Obligations		
		1979 actual	1980 est.	1981 est.	1979 actual	1980 est.	1981 est.	
Program by activities:								
Direct:								
1	Medical and support vehicles	239,310	86,000	233,800	234,343	203,610	144,434	
2	Communications and electronics equipment	1,024,722	976,410	1,347,158	1,068,974	843,852	1,327,843	
3	Other support equipment	345,918	392,400	548,800	347,524	385,018	468,728	
	Total direct	1,609,950	1,454,810	2,129,758	1,650,841	1,432,480	1,940,708	
	Reimbursable program	275,839	200,000	200,000	272,569	191,520	207,292	
	Total	1,885,789	1,654,810	2,329,758	1,923,410	1,624,000	2,148,000	
10.00								
Financing:								
Offsetting collections from:								
11.00	Federal funds	-150,347	-120,000	-120,000	-148,040	-111,700	-120,000	
13.00	Trust funds	-124,914	-80,000	-80,000	-113,855	-69,900	-80,000	
14.00	Non-federal sources	-78			-144			
21.40	Unobligated balance available, start of year:							
	For completion of prior year budget plans				-802,373	-702,817	-715,227	
	Available to finance new budget plans		-47,000			-47,000		
	Reprogramming from or to prior year budget plans	-48,136						
24.40	Unobligated balance available, end of year:							
	For completion of prior year budget plans				702,817	715,227	896,985	
	Available to finance subsequent year budget plans							
25.00	Unobligated balance lapsing	47,000			47,000			
	Budget authority	48,136	47,000		48,136	47,000		
		1,656,950	1,454,810	2,129,758	1,656,950	1,454,810	2,129,758	
Budget authority:								
40.00	Appropriation	1,650,850	1,435,410	2,129,758	1,650,950	1,435,410	2,129,758	
41.00	Transferred to other accounts	-33,900	-27,600		-33,900	-27,600		
43.00	Appropriation (adjusted)	1,616,950	1,407,810	2,129,758	1,616,950	1,407,810	2,129,758	
50.01	Reappropriation	40,000	47,000		40,000	47,000		
Relation of obligations to outlays:								
71.00	Obligations incurred, net				1,661,371	1,442,400	1,948,000	
72.40	Obligated balance, start of year				1,478,527	2,019,830	2,169,230	
74.40	Obligated balance, end of year				-2,019,830	-2,169,230	-2,650,230	
77.00	Adjustments in expired accounts				18,494			
90.00	Outlays				1,138,561	1,293,000	1,467,000	

Army Other Procurement, Army

28 JAN 80

Object Classification (in thousands of dollars)

Identification code	21-2035-0-1-051	1979 actual	1980 est.	1981 est.
<b>Direct obligations:</b>				
22.0 Transportation of things		758		
25.0 Other services:				
Contracts		457,283	508,920	681,830
26.0 Supplies and materials		214,607	227,800	296,250
31.0 Equipment		978,193	695,750	982,628
Total direct obligations		1,650,841	1,432,480	1,940,708
		=====	=====	=====
<b>Reimbursable obligations:</b>				
25.0 Other services:				
Contracts		75,502	94,553	96,360
26.0 Supplies and materials		35,434	42,330	43,130
31.0 Equipment		161,633	54,637	67,802
Total reimbursable obligations		272,569	191,520	207,292
		=====	=====	=====
Total obligations		1,923,410	1,624,000	2,148,000

Army Other Procurement, Army 28 JAN 80

Program and Financing (in thousands of dollars)		1977 Fiscal year program	
Identification code	21-2035-0-1-051	Obligations	
		Budget plan (amounts for procurement actions programmed)	
		1979 actual	1980 est. 1981 est. 1980 est. 1981 est.
Program by activities:			
Direct:			
1.	Tactical and support vehicles	.....	.....
2.	Communications and electronics equipment	.....	.....
3.	Other support equipment	.....	.....
	Total direct	.....	.....
	Reimbursable program	.....	.....
	Total	.....	.....
10.00		.....	.....
Financing:			
Offsetting collections from:			
11.00	Federal funds	.....	.....
13.00	Trust funds	.....	.....
14.00	Non-federal sources	.....	.....
21.40	Unobligated balance available, start of year:	.....	.....
	For completion of prior year budget plans	.....	.....
25.00	Reprogramming from or to prior year budget plans	.....	.....
	Unobligated balance lapsing	.....	.....
	Budget authority	.....	.....



Army

## Other Procurement, Army

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## Program and Financing (In thousands of dollars)

## 1979 Fiscal year program

Identification code 21-2035-0-1-051

## Obligations

## Budget plan (amounts for procurement actions programmed)

	1979 actual	1980 est.	1981 est.	1979 actual	1980 est.	1981 est.
Program by activities:						
Direct:						
1. Tactics, and support vehicles	239,310			146,576	90,900	1,834
2. Communications and electronics equipment	1,024,722			752,325	132,465	139,932
3. Other support equipment	345,918			257,290	53,200	35,428
Total direct	1,609,950			1,156,191	276,565	177,194
Reimbursable program	275,339			208,593	39,177	27,559
Total	1,885,289			1,364,784	315,742	204,753
Financing:						
Offsetting collections from:						
Federal funds	-150,347			-150,347		
Trust funds	-124,914			-124,914		
Non-federal sources	-78			-78		
Unobligated balance available, start of year:						
For completion of prior year budget plans						
Available to finance new budget plans		-47,000			-520,505	-204,763
Unobligated balance available, end of year:						
For completion of prior year budget plans						
Available to finance subsequent year budget plans						
Unobligated balance lapsing	47,000			520,505	204,763	
Total		47,000		47,000	47,000	
Budget authority	1,556,950			1,656,950		
Budget authority:						
Appropriation	1,650,850			1,650,850		
Transferred to other accounts	-33,900			-33,900		
Appropriation (adjusted)	1,616,950			1,616,950		
Reappropriation	40,000			40,000		

Army		Other Procurement, Army		28 JAN 80	
		Program and Financing (in thousands of dollars)		1980 Fiscal year program	
Identification code		21-2035-0-1-051			
		Budget plan (amounts for procurement actions programmed)		Obligations	
		1979 actual	1980 est.	1981 est.	1981 est.
Program by activities:					
Direct:					
1. Tactical and support vehicles					
2. Communications and electronics equipment					
3. Other support equipment					
Total direct		.....	86,000	.....	75,900
Reimbursable program		.....	976,410	.....	635,073
Total		.....	392,400	.....	293,400
Total direct		.....	1,454,810	.....	1,004,373
Reimbursable program		.....	200,000	.....	139,973
Total		.....	1,654,810	.....	1,144,346
Financing:					
Offsetting collections from:					
Federal funds					
Trust funds					
Unobligated balance available, start of year:					
For completion of prior year budget plans					
Unobligated balance available, end of year:					
For completion of prior year budget plans					
Budget authority		.....	-120,000	.....	-120,000
Budget authority:		.....	-80,000	.....	-80,000
Appropriation		.....	.....	.....	.....
Transferred to other accounts		.....	.....	.....	.....
Appropriation (adjusted)		.....	.....	.....	.....
Resappropriation		.....	.....	.....	.....
Total		.....	1,454,810	.....	1,454,810
Total		.....	1,435,410	.....	1,435,410
Total		.....	-27,600	.....	-27,600
Total		.....	1,407,810	.....	1,407,810
Total		.....	47,000	.....	47,000

Army

## Other Procurement, Army

28 JAN 80

Program and Financing (in thousands of dollars)		1981 Fiscal year program obligations		
Identification code	21-2035-0-1-051	Budget plan (amounts for procurement actions programmed)		
		1979 actual	1980 est.	1981 est.
<b>Program by activities:</b>				
<b>Direct:</b>				
1.	Tactical and support vehicles	233,800		136,200
2.	Communications and electronics equipment	1,347,158		973,452
3.	Other support equipment	548,800		361,700
	<b>Total direct</b>	<b>2,129,758</b>		<b>1,471,352</b>
	Reimbursable program	200,000		140,000
	<b>Total</b>	<b>2,329,758</b>		<b>1,611,352</b>
10.00				
<b>Financing:</b>				
<b>Offsetting collections from:</b>				
11.00	Federal funds	-120,000		-120,000
13.00	Trust funds	-80,000		-80,000
24.40	Unobligated balance available, end of year:			
	For completion of prior year budget plans			718,406
	<b>Budget authority</b>	<b>2,129,758</b>		<b>2,129,758</b>

OTHER PROCUREMENT, ARMY

Section 2

Introductory Statement

5-10 - 1/21/80

DEPARTMENT OF THE ARMY  
ANNUAL BUDGET ESTIMATES

Appropriation:

Other Procurement, Army

FY 1981  
Budget

Section 2 - INTRODUCTORY STATEMENT

This appropriation finances the acquisition of: (a) Tactical and commercial vehicles including trucks, semi-trailers, and trailers of all types to provide mobility and utility support to field forces and the worldwide logistical system; (b) communications and electronics equipment of all types to provide fixed, semifixed, and mobile strategic and tactical communications equipment; (c) other support equipment such as chemical defensive equipment, tactical bridging, shop sets, construction equipment, floating and rail equipment, generators and power units, material handling equipment, medical support equipment, special equipment for user testing and nonsystem training devices. In each of these activities funds are also included for modification of in-service equipment, investment spares and repair parts, and production base support.

OTHER PROCUREMENT, ARMY

Section 3

Summary of Requirements

5-12 - 1/21/80

**SUMMARY OF REQUIREMENTS (In Thousands of Dollars)**

Appropriation:	FY 1979		FY 1980		FY 1981	
	Actual	Estimate	Estimate	Estimate		
OTHER PROCUREMENT, ARMY						
Tactical and Support Vehicles	239,310	86,000	233,800			
Communications and Electronics Equipment	1,024,722	976,410	1,347,158			
Other Support Equipment	345,918	392,400	548,800			
Total Direct Program	1,609,950	1,454,810	2,129,758			
Reimbursable Program	275,339	200,000	200,000			
TOTAL PROGRAM REQUIREMENTS	1,885,289	1,654,810	2,329,758			
Less: Portion of program to be obligated in subsequent fiscal years	520,505	510,464	718,406			
Plus: Obligations incurred against prior year program funds	558,626	479,654	536,643			
TOTAL OBLIGATIONS	1,923,410	1,624,000	2,148,000			

OTHER PROCUREMENT, ARMY

Section 4

Budget Activity Justifications

- Activity 1 - Tactical and Support Vehicles
- Activity 2 - Communications and Electronics Equipment
- Activity 3 - Other Support Equipment

Department of the Army Annual Budget Estimates JUSTIFICATION	Appropriation Other Procurement, Army	FY 1981	
		Budget	
		(In Thousands of Dollars)	
Budget Program or Budget Project Account	Actual Fiscal Year 1979	Fiscal Year 1980 Estimate	Fiscal Year 1981
Activity 1 - Tactical and Support Vehicles			
Direct Obligations or Direct Budget Plan	\$ 239,310	\$ 86,000	\$ 233,800

#### Section 1 - PURPOSE AND SCOPE

These funds provide for the procurement and manufacture of tactical and support vehicles and associated equipment. The tactical vehicles are of the type normally used by operation and support forces, and include prime movers and general purpose vehicles usually equipped with multi-wheel drive to satisfy cross-country mobility needs. Commercial vehicles being procured for these forces in lieu of military designed vehicles are referred to as "commercial substitute (C/S)" vehicles. The support vehicles are of the administrative type which are generally equipped with two-wheel drive and are commercial in nature; included are buses, sedans, truck tractors, and associated vehicles.

#### Section 2 - JUSTIFICATION OF FUNDS REQUESTED

The major categories of vehicles included in the request are: Tactical Vehicles - \$120.3 million for dolly sets, tactical trailers, semitrailers and trucks (\$21.1 million of this amount is for commercial items being substituted for military design vehicles); Commercial Vehicles - \$41.4 million for vehicles used in administrative support, and maintenance and service tasks worldwide; Support Equipment and Facilities - \$62.1 million for spares and repair parts and production base support.

Department of the Army Annual Budget Estimates JUSTIFICATION		Appropriation		FY 1981
Budget Program or Budget Project Account		Budget		
		(In Thousands of Dollars)		
		Actual Fiscal Year 1979	Estimate Fiscal Year 1980    Fiscal Year 1981	
Activity 2 - COMMUNICATIONS AND ELECTRONICS EQUIPMENT				
Direct Obligations or Direct Budget Plan		\$ 1,024,722	\$ 976,410	\$ 1,347,158

### Section 1 - PURPOSE AND SCOPE

These funds provide for procurement, manufacture, depot rebuild facilities equipment, modification and production base support of communications and electronics equipment and high dollar value depot repairable assemblies/components for initial provisioning and replenishment requirements. Funds are included for Satellite Communications, radio, countermeasures, combat wire communications, night vision, photographic, combat surveillance, target acquisition, strategic, tactical, communications securing and electronics equipment.

### Section 2 - JUSTIFICATION OF FUNDS REQUIRED

This request supports the Army's requirements for both tactical and strategic communications worldwide and includes: \$5.0 million for US Readiness Command Communications; \$87.2 million for Joint Tactical Communications (TRI-TAC); \$91.5 million for Combat Support Communications; \$23.6 million for Strategic Communications (STARCOM/NDCS); \$11.6 million for Long Haul Communications (DCS); \$103.8 million for Defense Satellite Communications; \$59.0 million for Tactical Satellite Communications; \$85.4 million for Communications Security Equipment; \$25.7 million for Base Communications; \$21.4 million for National Military Command System Communications; and \$22.8 million for Test, Measurement, and Diagnostic Equipment (Telecommunications). These communications are essential to field, and sustain in the field, the combat elements of the Army and to provide command and control over these forces by the National Command Authorities, the Joint Chiefs of Staff, and others in the chain of command.

Department of the Army  
Annual Budget Estimates  
JUSTIFICATION

FY 1981

Appropriation OTHER PROCUREMENT, ARMY	Budget Program or Budget Project Account Activity 2 - COMMUNICATIONS AND ELECTRONICS EQUIPMENT
--	---

This request also provides for Other Electronics Systems and Equipment including: \$32.6 million for Intelligence Support; \$2.9 million for the General Defense Intelligence Program; \$138.0 million for Automatic Data Processing Equipment; \$5.0 million for Audio Visual Equipment; \$60.8 million for Electronic Warfare; \$358.5 million for Tactical Electronics consisting of Surveillance, Target Acquisition and Night Observation (STANO) equipment; \$24.2 million for Test, Measurement, and Diagnostic Equipment; and \$188.2 million for Support Equipment and Facilities including Spares and Repair Parts (\$168.5 million), Depot Repair Facilities Equipment (\$8.9 million), and Production Base Support (\$10.8 million). The equipment in these categories is required to sustain troops in combat, provide electronic advantages and protection to the individual soldier, and to help him carry the battle to the enemy. It also provides for sustaining the production base to exploit latest developments in miniaturization, solid state circuitry, and modular fabrication.

The FY 81 budget provides C-E systems and equipments necessary to modernize and improve the communications-electronics posture of the Army in order to provide reduced reaction times, greater efficiency in strategic and tactical developments, and maximum utilization of limited resources available.

Department of the Army Annual Budget Estimates JUSTIFICATION Budget Program or Budget Project Account ACTIVITY 3 - OTHER SUPPORT EQUIPMENT	Appropriation OTHER PROCUREMENT, ARMY	FY 1981	
		Budget	
		(In Thousands of Dollars)	
Direct Obligations or Direct Budget Plan	Actual Fiscal Year 1979	Estimate Fiscal Year 1980	Fiscal Year 1981
	\$ 345,918	\$ 392,400	\$ 548,800

Section 1 - PURPOSE AND SCOPE

These funds provided for procurement, manufacture, and conversion of combat support, construction, floating and rail, generator, materials handling, and medical support equipment. These funds also provide for initial and replenishment spares and production base support associated with this activity.

Section 2 - JUSTIFICATION AND FUNDS REQUESTED

The requested program is necessary to provide \$27.0 million for tactical bridging equipment; \$34.5 million for protective chemical equipment; \$33.8 million for various shop repair equipment; \$20.8 million for Topographic Support System; \$9.4 million for Fire Trucks; \$19.3 million for POL equipment; \$14.5 million for secondary transfer calibration equipment; \$19.5 million for Position Azimuth Determining Systems; \$13.0 million for Productivity Enhancement Projects; 11.3 million for various air conditioners; \$11.2 million for Test, Measurement and Diagnostic Equipment; \$4.4 million for various cranes; \$15.1 million for various commercial equipment; \$7.3 million for railroad flatcars; \$56.4 million for forklifts; \$41.2 million for generators; \$73.5 million for medical support equipment; \$6.5 million for calibration set support; \$25.0 million for both initial and replenishment repair parts; \$4.8 million for the National Training Center; \$11.1 million for non-systems training devices; \$6.9 million for special equipment for user testing; \$20.5 million for various production base support projects; \$9.7 million for major assemblies for Medical Unit Self-Contained Transportable (MUST) hospital; \$26.4 million for items with an acquisition value of less than \$900,000; and \$25.4 million for miscellaneous support equipment.

OTHER PROCUREMENT, ARMY

Section 5

Comparison of Program Requirements and Financing

Comparison of FY 1980 program requirements as reflected in the FY 1980 budget with FY 1980 program requirements as shown in the FY 1981 budget.

Comparison of FY 1980 financing as reflected in the FY 1980 budget with FY 1980 financing as shown in FY 1981 budget.

Comparison of FY 1979 program requirements as reflected in the FY 1980 budget with FY 1979 program requirements as shown in the FY 1981 budget.

Comparison of FY 1979 financing as reflected in the FY 1980 budget with FY 1979 financing as shown in the FY 1981 budget.

COMPARISON OF FY 1980 PROGRAM REQUIREMENTS  
AS REFLECTED IN FY 1980 BUDGET WITH  
FY 1980 PROGRAM REQUIREMENTS AS SHOWN IN FY 1981 BUDGET

SUMMARY OF REQUIREMENTS (In Thousands of Dollars)

Appropriation:	Total Program Requirements Per FY 80 Budget	Program Requirements Per FY 1981 Budget	Increase (+) or Decrease (-)
Activity 1 - Tactical and Support Vehicles	115,000	86,000	- 29,000
Activity 2 - Communications and Electronics Equipment	1,130,300	976,410	- 153,890
Activity 3 - Other Support Equipment	448,900	392,400	- 56,500
TOTAL	1,694,200	1,454,810	- 239,390

1. Tactical and Support Vehicles. The net decrease of \$29,000 thousand results from Congressional reductions, including \$2,000 thousand for Semitrailer 22 1/2 ton, XM871; \$2,000 thousand for Truck, 1/4 ton, 4x4, ABT; \$1,900 thousand for Truck, 2 1/2 ton, 6x6, ABT; and \$23,100 thousand for the Heavy Expanded Mobility Tactical Truck.

2. Communications and Electronics Equipment. The net decrease of \$136,600 thousand results from planned reprogramming decrease of \$8,100 thousand, and Congressional reductions of \$130,000 thousand. The reprogramming decrease includes \$4,100 thousand Tactical Management Information System; \$1,200 thousand from Spares/Repair Parts (Telecom C-8); \$5,800 thousand from Spares and Repair Parts (Other C-E); \$2,100 thousand from Telephone Field TA838; \$3,600 thousand from DARGOM Fix Year ADP Program; \$2,700 thousand from TRADOC Automation Program; \$1,000 from WW Mil Com & Control Sys ADPE; \$2,000 from AR Telecom Auto Pr(ATCAP); and \$900 thousand from Production Base Support. The Congressional reductions include \$500 thousand on JCSE Equipment (USREDCOM); \$5,200 thousand on the TRI-TAC program; \$6,500 thousand on Combat Support Communications programs; \$600 thousand in Joint Crisis Management Capability; \$3,000 thousand in Satellite Communications program; \$4,200 in Communications Security Equipment; \$4,500 thousand in Base Communications (EUCOM); \$8,000 on Teampack; \$200 thousand on Intelligence Data Handling System; \$76,600 thousand on TACFIRE, \$15,000 thousand on Tactical Operations System (TOG); \$400 thousand on USAREUR Tactical Automation Program; and \$5,800 thousand on Mobile Ground Imagery Intelligence Center.

3. Other Support Equipment. The net decrease results from Congressional reductions of \$65,100 thousand; Congressional increases of \$12,800 thousand; and planned reprogramming decrease of \$4,200 thousand. Congressional reductions included \$3,600 thousand for the Analytical Photogrammetric Positioning System (APPS) \$900 thousand for Diving Equipment; \$9,700 thousand for Medical Unit Self Contained (MUST) equipment; \$40,400 thousand for Tractor Full Tracked, Universal (UET), \$4,300 thousand for Truck Fork Lift, DE, 10,000 lb. and \$6,200 thousand for Medical Support Equipment. Congressional increase included \$1,400 thousand for Fuel System Supply Points; \$4,500 thousand for CBR Protection Masks; \$1,900 thousand for Pump Assembly Liquid Gas, 350 GPM; \$4,000 thousand for Shop Equipment GP Repair and \$1,000 thousand for Tank/Pump Units Liquid Gas for Truck Mounting. The reprogramming decrease includes \$2,000 thousand from Container Refrigeration Assembly; \$1,200 thousand from Generators and Associated Equipment; and \$1,000 from Items Less Than \$900,000 (CS EQ-OTH).

COMPARISON OF FY 1980 FINANCING AS REFLECTED  
IN THE FY 1980 BUDGET WITH FY 1980 FINANCING  
AS SHOWN IN FY 1981 BUDGET

Appropriation:	(In Thousands of Dollars)			Increase (+) or Decrease (-)
	OTHER PROCUREMENT, ARMY	Financing Per FY 1980 Budget	Financing Per FY 1981 Budget	
Program Requirements, (Total)		1,946,700	1,654,810	-291,890
Program Requirements (Service Account)		(1,694,200)	1,454,810	( -239,390)
Program Requirements (Reimbursable)		( 252,500)	( 200,000)	( - 52,500)
Less:				
Anticipated reimbursements		252,500	200,000	- 52,500
Reprogramming from prior year budget plans		-0-	-0-	
Unobligated balance available from prior year to finance new budget plans		-0-	-0-	
Unobligated balance transferred from other accounts		-0-	-0-	
Add:				
Unobligated balance transferred to other accounts		-0-	-0-	
Unobligated balance available to finance subsequent year budget plans		-0-	-0-	
	BUDGET AUTHORITY	1,694,200	1,454,810	- 239,390
BUDGET AUTHORITY				
Appropriation		1,694,200	1,435,510	- 258,690
Reappropriation		-0-	- 27,600	- 27,600
Reappropriation (from prior years)			47,000	+ 47,000
Appropriation (Adjusted)		1,694,200	1,454,810	- 239,390

EXPLANATION OF CHANGES IN FINANCING

COMPARISON OF FY 1979 PROGRAM REQUIREMENTS  
AS REFLECTED IN FY 1980 BUDGET WITH  
FY 1979 PROGRAM REQUIREMENTS AS SHOWN IN FY 1981 BUDGET

SUMMARY OF REQUIREMENTS (In Thousands of Dollars)			
Appropriation:	OTHER PROCUREMENT, ARMY	Total Program Requirements	Increase (+) or Decrease (-)
		Per FY 80 Budget	Per FY 1981 Budget
Activity 1- Tactical and Support Vehicles		262,300	239,310
Activity 2 - Communications and Electronics Equipment		1,092,850	1,024,722
Activity 3 - Other Support Equipment		397,000	345,918
	TOTAL	1,752,150	1,609,950

- Tactical and Support Vehicles. The program requirement of \$22,990 thousand results from reprogramming decreases of \$21,900 thousand on the Truck, 5 Ton, 6x6, ABT; Congressional denial of supplemental request for \$800 (\$700 thousand for truck, 2 1/2 ton, 6x6, ABT and \$100 thousand for items less than \$900,000 (TAC VEH); and below threshold reprogramming on other miscellaneous lines which provide a net decrease of \$290 thousand.
- Communications and Electronics Equipment. The net decrease of \$54,128 thousand results from major reprogramming increases and decreases of \$28,200 thousand and \$39,100 thousand respectively; Congressional denial of supplemental request for \$44,200 thousand; miscellaneous below threshold reprogrammings which total a net increase of \$972 thousand, and Congressional direction to transfer forward of \$14,000 thousand and FY 79 unobligated balance to fund FY 80 requirements. Reprogramming increases included \$28,200 thousand on the All Source Analysis Center (ASAC) and \$3,600 thousand on EUCOM C3(NWS). Reprogramming decrease of \$39,100 includes \$3,600 thousand on Basecom (FORSCOM); \$1,200 thousand on System Improvements (DSCS); \$2,000 thousand on Monitoring Equipment; \$400 thousand on TEMPEST (COMSEC); \$27,500 on Tac Emir Loc/Ident System (TACELIS); \$500 thousand on Radio Terminal AN/TRC 151; \$2,400 on Spares and Repair Parts (COMSEC) and \$1,500 thousand Spares and Repair Parts (Other C-E). The Congressional denial of supplemental request includes \$5,000 thousand for Tactical Satellite Communications (TACSATCOM); \$11,100 thousand for EUCOM C3 System; \$6,500 thousand for BASE COM(EUOOM) and \$21,600 thousand for All Source Analysis Center (ASAC). The FY 1979 unobligated balance includes \$14,000 thousand on the Target Designator Laser.
- Other Support Equipment. The net decrease of \$18,082 thousand results from Congressional denial of supplemental request for \$16,300 thousand and a \$1,900 thousand new start reprogramming increase below-threshold reprogrammings which provide net decrease of \$3,682 thousand and Congressional direction to transfer forward \$33,000 thousand of FY 1979 unobligated balance to fund FY 80 requirements. The Congressional denial of supplemental request includes \$1,400 thousand for Fuel System Supply Point; \$1,900 thousand for Pump Assy, Liq Gas, 350 GPH; \$7,750 thousand for Shelter System, Collective Protective, CB M51; \$4,000 thousand for Shop Equipment, GP Repair; \$1,000 thousand for Tank/Pump Unit, Liq Disp for Truck Mounting; and \$300 thousand for Generators and Associated Equipment. The reprogramming increase was for Mask, CBR Protective, Multi-Purpose. The FY 1979 unobligated balance includes \$18,000 on Family of Military Construction Equipment (FAMECE); \$10,600 thousand on the Universal Engineer Tractor (UET) and \$4,400 on Surface Unit Fuel Air Explosive (SLUFAE).

COMPARISON OF FY 1980 FINANCING AS REFLECTED  
IN THE FY 1980 BUDGET WITH FY 1980 FINANCING  
AS SHOWN IN FY 1981 BUDGET

Appropriation:	(In Thousands of Dollars)			Increase (+) or Decrease (-)
	Financing Per FY 1980 Budget	Financing Per FY 1981 Budget		
Program Requirements, (Total)				
Program Requirements (Service Account)	2,025,550	1,885,289	-	140,261
Program Requirements (Reimbursable)	(1,752,150)	(1,609,950)	-	142,200
	( 273,400)	( 275,339)	(	1,939)
Less:				
Anticipated reimbursements	273,400	275,339		1,939
Reprogramming from prior year budget plans	-0-	-0-	-0-	-0-
Unobligated balance available from prior year to finance new budget plans	-0-	-0-	-0-	-0-
Unobligated balance transferred from other accounts	-0-	-0-	-0-	-0-
Add:				
Unobligated balance transferred to other accounts	-0-	-0-	-0-	-0-
Unobligated balance available to finance subsequent year budget plans	-0-	47,000	+	47,000
	1,752,150	1,656,950	-	95,200
BUDGET AUTHORITY				
Appropriation	1,642,250	1,642,250	-0-	-0-
Reapportionment (Supplemental)	69,900	8,600	-	61,300
Transferred to other accounts		33,900	-	33,900
Transferred from other accounts	40,000	40,000	-	-
Appropriation (Adjusted)	1,752,150	1,656,950	-	95,200

EXPLANATION OF CHANGES IN FINANCING

OTHER PROCUREMENT, ARMY

Section 6

Selected Data Sheets

<u>Budget Activity</u>	<u>Page No.</u>
1. Tactical and Support Vehicles . . . . .	
2. Communications and Electronics Equipment . . . . .	

OTHER PROCUREMENT, ARMY  
TACTICAL VEHICLE DATA SHEET

Service: Army

P-1 Line Item: 1

Nomenclature: Chassis, Trailer, Gen, 2 1/2 Ton, 2W, M200A1

Description/Mission: A wheeled tactical transport vehicle of the special equipment category designed to transport primarily Generators of 10-60 kilowatt capacity. It consists of a single drop axle trailer chassis without body. It has spring leaf suspension without shock absorbers.

Cost Data (\$ Mil):

	<u>FY 1979</u>	<u>FY 1980</u>	<u>FY 1981</u>
	<u>Qty</u>	<u>Qty</u>	<u>Qty</u>
	<u>Amt</u>	<u>Amt</u>	<u>Amt</u>
Weapons System Cost	-0-	691	622
	-0-	2.5	2.5

Basis for FY 1981 Request: These chassis trailers are required to replace aging fleet and to improve the Army's overall readiness posture.

Contract Data:

<u>Major Subsystem</u>	<u>Contractor</u>	<u>Type of Last Contract</u>
Trailer	To be selected	Firm Fixed Price

Production Data:

	<u>FY 1979</u>	<u>FY 1980</u>	<u>FY 1981</u>	<u>FY 1982</u>
Funded Delivered	-0- 312	691 (567)	(622) (691)	XXXX (622)

Inventory/Objective:

	<u>End FY 1979 FDP 1/</u>	<u>End FY 1980 FDP</u>	<u>End FY 1981 FDP</u>
Force Units - DFE 2/	XXXX	XXXX	24
Inventory Objective	XXXX	XXXX	9773
On Hand/On Order	4022	4612	5106
% Inventory Objective Achieved	41.2	47.2	52.2

1/ FDP = Funded Delivery Period

2/ DFE = Division Force Equivalent

OTHER PROCUREMENT, ARMY  
TACTICAL VEHICLE DATA SHEET

Service: ARMY

P-1 Line Item: 2

Nomenclature: Dolly Set, Transportable, Shelter, 2 1/2T, M720

Description/Mission: This is a 2 1/2 ton transport vehicle consisting of front and rear dollies designed to lift and transport various shelters containing electronic gear and tool sets.

Cost Data (\$ Mil):

	<u>FY 1979</u>		<u>FY 1980</u>		<u>FY 1981</u>	
	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>
Weapons System Cost	-0-	-0-	-0-	-0-	237	2.2

Basis for FY 1981 Request: These Dolly Sets are required to support the M280 Shelters.

Contract Data:

<u>Major Subsystem</u>	<u>Contractor</u>	<u>Type of Last Contract</u>
Dolly Set	To be selected	Firm Fixed Price

5-27 1/21/80

Production Data:

	<u>FY 1979</u>	<u>FY 1980</u>	<u>FY 1981</u>	<u>FY 1982</u>
Funded Delivered	-0- 305	-0- -0-	(237) ( 0 )	XXXX (237)
<u>Inventory/Objective:</u>				
	<u>END FY 1979 FDP 1/</u>		<u>END FY 1980 FDP</u>	<u>END FY 1981 FDP</u>
Force Units - DFE 2/	XXXX		XXXX	24
Inventory Objective	XXXX		XXXX	462
On Hand/On Order	113		110	346
% Inventory Objective Achieved	24.5		23.8	74.9

1/ FDP = Funded Delivery Period  
2/ DFE = Division Force Equivalent

OTHER PROCUREMENT, ARMY  
TACTICAL VEHICLE DATA SHEET

Service: ARMY

P-1 Line Item: 5

Designation: Semitrailer, Breakbulk/Container 22 1/2T, M871 (C/S)

Description/Mission: A commercially designed 22 1/2 ton dual purpose semitrailer, designed to be pulled by the 5-ton truck tractor. It will also be capable of operation with the Commercial Line Haul Tractor. It consists of a cargo bed and frame with side racks and stakes and a securement system for containers. This semitrailer is one of two which will eventually replace the 12-Ton Stake Semitrailer M127A2C in its entirety. The other is the 34-Ton M872. Since the present M127A2C is inadequate for expanded line haul/container hauling operations, this 22 1/2 Ton Semitrailer will be used primarily in forward areas where a limited degree of off-road capability is required.

Cost Data (\$ Mil)

	FY 1979		FY 1980		FY 1981	
	Qty	Amt	Qty	Amt	Qty	Amt
Weapons System Cost	543	7.5	542	5.6	498	7.8

Basis for FY 1981 Request: This semitrailer provides the capability to transport containers of various sizes up to 20 feet in length.

Contract Data:

Major Subsystem	Contractor	Type of Last Contract
Trailer	Southwest	Fixed Price with Economic Price Adjustment

5-29 1/21/80

Production Data:

	<u>FY 1979</u>	<u>FY 1980</u>	<u>FY 1981</u>	<u>FY 1982</u>
Funded Delivered	543 0	542 (462)	(498) (794)	XXXX (327)
<u>Inventory/Objective:</u>				
	<u>END FY 1979 FDP 1/</u>		<u>END FY 1980 FDP</u>	<u>END FY 1981 FDP</u>
Force Units - DFE 2/	XXXX		XXXX	24
Inventory/Objective	XXXX		XXXX	4098
On Hand/On Order 3/	2402		2629	2800
% Inventory Objective Achieved	58.6		64.2	68.3

1/ FDP = Funded Delivery Period

2/ DFE = Division Force Equivalent

3/ Includes M127A2C semitrailer assets

OTHER PROCUREMENT, ARMY  
TACTICAL VEHICLE DATA SHEET

Service: ARMY

P-1 Line Item: 6

Nomenclature: Semitrailer, Breakbulk/Container, 34T M872 (C/S)

Description/Mission: A commercial design 34-ton dual purpose semitrailer designed to be pulled by the Commercial Line Haul Tractor. It consists of a cargo bed and frame with side racks and stakes and a securement system for containers. This semitrailer is one of two which will eventually replace the 12-ton stake semitrailer M127A2C in its entirety. The other is the 22 1/2 ton M871. This 34-ton semitrailer will perform primarily in the line haul role in areas where off-road mobility is normally not required.

Cost Data (\$ Mil):

	<u>FY 1979</u>	<u>FY 1980</u>	<u>FY 1981</u>	
	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	
		<u>Amt</u>	<u>Amt</u>	
Weapons System Cost	692	13.0	1485	534
				10.4

Basis for FY 1981 Request: This semitrailer provides the capability to transport containers of various sizes up to 40 feet in length.

Contract Data:

<u>Major Subsystem</u>	<u>Contractor</u>	<u>Type of Last Contract</u>
Trailer	Theurer	Firm Fixed Price with Economic Price Adjustment
Trailer	Southwest	Firm Fixed Price with Economic Price Adjustment

5-31 1/21/80

Production Data:

Funded Delivered	<u>FY 1979</u> 692 892	<u>FY 1980</u> 1485 (926)	<u>FY 1981</u> (534) (2126)	<u>FY 1982</u> XXXX (245)
<u>Inventory/Objective:</u>				
Force Units - DFE 2/	<u>END FY 1979 FDP 1/</u>		<u>END FY 1980 FDP</u>	<u>END FY 1981 FDP</u>
Inventory Objective	XXXX		XXXX	24
On hand/On order	XXXX		XXXX	10830
% Inventory Objective Achieved	2583		4040	4487
	23.9		37.3	41.4

1/ FDP = Funded Delivery Period

2/ DFE = Division Force Equivalent

OTHER PROCUREMENT, ARMY  
TACTICAL VEHICLE DATA SHEET

Service: ARMY

P-1 Line Item: 13

Nomenclature: Trailer, Cargo, 1 1/2T, 2W, M105A2

Description/Mission: A 1 1/2 ton capacity cargo trailer designed to be towed by the 2 1/2 ton cargo truck. Consists primarily of a wood and steel cargo box with tailgate, side racks, bows and tarpaulin mounted on a two wheel military design trailer chassis with spring suspension.

Cost Data (\$ Mil):

	<u>FY 1979</u>		<u>FY 1980</u>		<u>FY 1981</u>	
	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>
Weapons System Cost	-0-	-0-	-0-	-0-	800	3.4

Basis for FY 1981 Request: These trailers are required to support the M51 shelters.

Contract Data:

<u>Major Subsystem</u>	<u>Contractor</u>	<u>Type of Last Contract</u>
Trailer	To be selected	Firm Fixed Price

Production Data:

	<u>FY 1979</u>	<u>FY 1980</u>	<u>FY 1981</u>	<u>FY 1982</u>
Funded Delivered	-0- 559	-0- -0-	(800) (160)	XXXX (640)
<u>Inventory/Objective:</u>				
Force Units -- DFE <u>2/</u>	<u>END FY 1979 FDP 1/</u>		<u>END FY 1980 FDP</u>	<u>END FY 1981 FDP</u>
Inventory Objective	XXXX		XXXX	24
On Hand/On Order	XXXX		XXXX	50345
% Inventory Objective Achieved	37558		36514	36269
	74.6		72.5	72.0

1/ FDP = Funded Delivery Period  
 2/ DFE = Division Force Equivalent

OTHER PROCUREMENT, ARMY  
TACTICAL VEHICLE DATA SHEET

Service: ARMY

P-1 Line Item: 17

Nomenclature. Truck, 5T, 6x6, ABT

Description/Mission: A wheeled tactical vehicle powered by a liquid cooled 6-cylinder, diesel engine. It has 6-wheel drive, can ford 2 1/2 feet of water without a deep water fording kit, and 6 feet of water with a kit. It is produced in seven body styles: cargo, dump, tractor, van, wrecker, stake and bolster.

Cost Data (\$ Mil):

	<u>FY 1979</u>		<u>FY 1980</u>		<u>FY 1981</u>	
	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>
Weapons System Cost	1365	86.9	-0-	-0-	570	41.8

Basis for FY 1981 Request: The FY 1981 program is urgently required to fill shortages in troop units and POMCUS. Because of its widespread distribution in all types of units throughout the Army, shortages impact on operations on a broad scale. Reduction will perpetuate existing shortages, impacting on the Army's overall mobility. Vehicles are required to support FIREFINDER, Calibration, Patriot, SOTAS, PLRS, NSCf, MAGIIC and AN/TYC-5.

Contract Data:

Major Subsystem

Truck

Contractor

To Be Selected

Type of Last Contract

Fixed Price with Economic  
Price Adjustment

5-35 1/21/80

Production Data:

	<u>FY 1979</u>	<u>FY 1980</u>	<u>FY 1981</u>	<u>FY 1982</u>
Funded	1365	-0-	(570)	XXXX
Delivered	948	(896)	(742)	(1192)
<u>Inventory/Objective:</u>				
	<u>END FY 1979 FDP</u>	<u>1/</u>	<u>END FY 1980 FDP</u>	<u>END FY 1981 FDP</u>
Force Units - DFE <u>2/</u>	XXXX		XXXX	24
Inventory Objective	XXXX		XXXX	61906
On Hand/On Order	34466		33534	33415
% Inventory Objective Achieved	55.7		54.2	54.0

1/ FDP = Funded Delivery Period

2/ DFE = Division Force Equipment

OTHER PROCUREMENT, ARMY  
TACTICAL VEHICLE DATA SHEET

Service: ARMY

P-1 Line Item: 18

Nomenclature: Heavy Expanded Mobility Tactical Truck 1/

Description/Mission: A wheeled tactical transport vehicle powered by an 8-cylinder, diesel engine. This truck will transport ammunition, petroleum, oils and lubricants (POL), missile systems and can be used for recovery of other heavy wheeled support vehicles and combat systems.

Cost Data (\$ Mil):

	<u>FY 1979</u>		<u>FY 1980</u>		<u>FY 1981</u>	
	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>
Weapons System Cost	-0-	-0-	-0-	-0-	284	54.2

Basis for FY 1981 Request: Vehicles are required to provide mobility and prelaunch survivability of missile systems by insuring their timely movement from one combat launching site to another. Major systems include GSRs and Pershing II.

Contract Data:

<u>Major Subsystem</u>	<u>Contractor</u>	<u>Type of Last Contract</u>
Truck	To Be Selected	N/A

1/ Formerly known as Truck, Cargo, 10 Ton, 8x8

5-37 1/21/80

Production Data:

	<u>FY 1979</u>	<u>FY 1980</u>	<u>FY 1981</u>	<u>FY 1982</u>
Funded	-0-	-0-	(284)	XXXX
Delivered	-0-	-0-	(-0-)	(284)
<u>Inventory/Objective:</u>				
	<u>END FY 1979 FDP 1/</u>		<u>END FY 1980 FDP</u>	<u>END FY 1981 FDP</u>
Force Units - DFE 2/	XXXX		XXXX	24
Inventory Objective	XXXX		XXXX	961
On Hand/On Order	0		0	284
% Inventory Objective Achieved	0		0	29.6

1/ FDP = Funded Delivery Period  
 2/ DFE = Division Force Equivalent

OTHER PROCUREMENT, ARMY  
TACTICAL VEHICLE DATA SHEET

Service: ARMY

P-1 Line Item: 20

Nomenclature: Truck, Tractor, Yard Type, M878 (C/S)

Description/Mission: This is a commercial tractor designed to move and spot the 22 1/2 ton and 34 ton container transporter semitrailers at overseas terminal areas, trailer transfer points and marshalling yards. Vehicle is a highly maneuverable, low speed tractor with a hydraulic fifth wheel.

Cost Data (\$ Mil):

	<u>FY 1979</u>		<u>FY 1980</u>		<u>FY 1981</u>	
	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>
Weapons System Cost	-0-	-0-	53	2.6	53	2.9

Basis for FY 1981 Request: These trucks are required to activate new terminal units.

Contract Data:

<u>Major Subsystem</u>	<u>Contractor</u>	<u>Type of Last Contract</u>
Truck	To be selected	Firm Fixed Price

Production Data:

	<u>FY 1979</u>	<u>FY 1980</u>	<u>FY 1981</u>	<u>FY 1982</u>
Funded				
Delivered	-0-	53	(53)	XXXX
	-0-	0	(53)	(53)
<u>Inventory/Objective:</u>				
	<u>END FY 1979 FDP 1/</u>	<u>END FY 1980 FDP</u>		<u>END FY 1981 FDP</u>
Force Units - DFE 2/	XXXX	XXXX		24
Inventory Objective	XXXX	XXXX		235
On Hand/On Order	44	97		150
% Inventory Objective Achieved	18.7	41.3		63.8

1/ FDP = Funded Delivery Period  
2/ DFE = Division Force Equivalent

OTHER PROCUREMENT, ARMY  
Tactical Telecommunications Equipment Data Sheet

Service: Army

P-1 Line Item: 26

Nomenclature: JCSE Equipment (USREDCOM)

Description/Mission: An Army/USAF jointly equipped special activity under control of the JCS and assigned to the U.S. Readiness Command (USREDCOM). This element is a command control tactical field communications unit designed to provide rapid communications for a joint task force headquarters under any one of the unified/specified commanders.

Cost Data (\$ Mil):

	<u>FY 1979</u>		<u>FY 1980</u>		<u>FY 1981</u>	
	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>
Weapons System Cost		.6		2.5		5.0

Basis for FY 1981 Request: The Army is funding 50% of the equipment for the Joint Communications Support Element. FY 1981 program includes HF (AN/TSC-60) and Tropo (AN/TRC-170) radio sets, and associated interface equipment.

OTHER PROCUREMENT. ARMY  
Tactical Telecommunications Equipment Data Sheet

Service: Army

P-1 Line Item: 28

Nomenclature: Central Office, Telephone, Automatic; AN/TTC-39(v)3

Description/Mission: A hybrid modular transportable tactical automatic switching equipment that provides circuit switching service for both analog and digital traffic. This is a 300-line version of the AN/TTC-39 switch.

Cost Data (\$ Mil):

	<u>FY 1979</u>		<u>FY 1980</u>		<u>FY 1981</u>	
	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>
Weapons System Cost	-0-	-0-	2	4.5	15	42.8

Basis for FY 1981 Request: This is the second year of a multiyear buy of the automatic circuit switch which is one of the key items of the Joint Tactical Communications (TRI-TAC) Program.

Contract Data:

<u>Major Subsystem</u>	<u>Contractor</u>	<u>Type of Last Contract</u>
Central Office, AN/TTC-39(v)3	GTE Sylvania Needham, MA	None

Production Data:

	<u>FY 1979</u>	<u>FY 1980</u>	<u>FY 1981</u>	<u>FY 1982</u>	<u>FY 1983</u>
Funded	0	2	15	XXXX	XXXX
Delivered	0	0	0	(2)	(15)
<u>Inventory/Objective:</u>					
	<u>END FY 1979 FDP</u>	<u>END FY 1980 FDP</u>	<u>END FY 1981 FDP</u>	<u>END FY 1982 FDP</u>	<u>END FY 1983 FDP</u>
Force Units - DFE <u>2/</u>	XXXX	XXXX	XXXX	XXXX	24
Inventory Objective	XXXX	XXXX	XXXX	XXXX	103
On Hand/On Order	0	2	2	2	17
% Inventory Objective Achieved	0	2	2	2	17

1/ FDP = Funded Deliver Period  
2/ DFE = Division Force Equivalent

OTHER PROCUREMENT, ARMY  
Tactical Telecommunications Equipment Data Sheet

Service: Army

P-1 Line Item: 29

Nomenclature: Central Office, Telephone, Automatic, AN/TTC-39(v)1

Description/Mission: A hybrid modular transportable tactical automatic switching equipment that provides circuit switching service for both analog and digital traffic. This is a 600-line version of the AN/TTC-39 switch.

Cost Data (\$ Mil):

	<u>FY 1979</u>		<u>FY 1980</u>		<u>FY 1981</u>	
	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>
ons System Cost	-0-	-0-	-0-	-0-	3	11.2

basis for FY 1981 Request: This is the second year of a multiyear buy of the automatic circuit switch which is one of the key items of the Joint Tactical Communications (TRI-TAC) Program.

Contract Data:

<u>Major Subsystem</u>	<u>Contractor</u>	<u>Type of Last Contract</u>
Central Office, AN/TTC-39(v)1	GTE Sylvania Needham, Ma	None

Production Data:

	<u>FY 1979</u>	<u>FY 1980</u>	<u>FY 1981</u>	<u>FY 1982</u>	<u>FY 1983</u>
Funded	0	0			
Delivered	0	0	3	XXXX (1)	XXXX (3)
<u>Inventory/Objective:</u>					
		<u>END FY 1979 FDP 1/</u>		<u>END FY 1980 FDP</u>	<u>END FY 1981 FDP</u>
Force Units - DFE 2/		XXXX		XXXX	24
Inventory Objective		XXXX		XXXX	12
On Hand/On Order		0		0	3
% Inventory Objective Achieved		0		0	25

1/ FDP = Funded Delivery Period  
2/ DFE = Division Force Equivalent

OTHER PROCUREMENT, ARMY  
Tactical Telecommunications Equipment Data Sheet

Service: Army

P-1 Line Item: 30

Nomenclature: Central Message Switch, Automatic, AN/TYC-39(v)1

Description/Mission: A hybrid modular mobile transportable tactical and automatic switch that will provide, store, and forward service for message traffic. The AN/TYC-39 message switch can be used as a stand-alone switch or collocated and operated with an AN/TTC-39 circuit switch.

Cost Data (\$ Mil):

	<u>FY 1979</u>		<u>FY 1980</u>		<u>FY 1981</u>	
	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>
Weapons Systems Cost	-0-	-0-	12	29.5	4	12.9

Basis for FY 1981 Request: This is the second year of a multiyear buy of the automatic message switch which is one of the key items of the Joint Tactical Communications (TRI-TAC) Program.

Contract Data:

<u>Major Subsystem</u>	<u>Contractor</u>	<u>Type of Last Contract</u>
Central Message Switch AN/TYC-39(v)1	GTE Sylvania Needham, MA	None

Production Data:

	<u>FY 1979</u>	<u>FY 1980</u>	<u>FY 1981</u>	<u>FY 1982</u>	<u>FY 1983</u>
Funded	0	12	4	XXXX	XXXX
Delivered	0	0	0	(8)	(8)
<u>Inventory/Objective:</u>					
	<u>END FY 1979 FDP 1/</u>	<u>END FY 1980 FDP</u>			<u>END FY 1981 FDP</u>
Force Units - DFE 2/	XXXX			XXXX	24
Inventory Objective	XXXX			XXXX	28
On Hand/On Order	0			12	16
% Inventory Objective Achieved	0			43	57

1/ FDP = Funded Delivery Period  
 2/ DFE = Division Force Equivalent

OTHER PROCUREMENT, ARMY  
Tactical Telecommunications Equipment Data Sheet

Service: Army

P-1 Line Item: 39

Nomenclature: Maintenance Shelter, AN/ARM-164

Description/Mission: The AN/ARM-164 Maintenance Shelter will be located at communications nodes to provide C-E maintenance support to the associated switching equipment. It will contain the necessary tools, test equipment, and spare parts to support the required maintenance functions.

Cost Data (\$ Mil):

	FY 1979		FY 1980		FY 1981	
	Qty	Amt	Qty	Amt	Qty	Amt
Weapons System Cost	-0-	-0-	-0-	-0-	16	2.0

Basis for FY 1981 Request: First year of multiyear procurement to support the AN/TTC-39 and AN/TYC-39 switches which will be delivered in the same time frame.

Contract Data:

<u>Major Subsystem</u>	<u>Contractor</u>	<u>Type of Last Contract</u>
Maintenance Shelter, AN/ARM-164	Sacramento Army Depot, CA	None

Production Data:

	<u>FY 1979</u>	<u>FY 1980</u>	<u>FY 1981</u>	<u>FY 1982</u>	<u>END FY 1980 FDP</u>	<u>END FY 1981 FDP</u>
Funded	0	0	16	XXXX		24
Delivered	0	0	0	( 16)		110 <sup>3/</sup>
<u>Inventory/Objective:</u>						
		<u>END FY 1979 FDP <sup>1/</sup></u>			<u>END FY 1980 FDP</u>	
Force Units - DFE <sup>2/</sup>		XXXX			XXXX	
Inventory Objective		XXXX			XXXX	
On Hand/On Order		0			0	16
% Inventory Objective Achieved		0			0	15

1/ FDP = Funded Delivery Period  
 2/ DFE = Division Force Equivalent  
 3/ Estimated

OTHER PROCUREMENT, ARMY  
Tactical Telecommunications Equipment Data Sheet

Service: Army

P-1 Line Item: 52

Nomenclature: Control Radio Set, C-6709

Description/Mission: A Net Radio Interface (NRI) capability to interface Combat Net Radios with the automatic switches SB-3614, AN/TTC-25 and 38, and TRI-TAC switches. The C-6709 may be connected directly to a telephone subscriber or it may be connected through one or more switchboards to permit a AN/VRC-12 type radio operator and a telephone subscriber to talk.

Cost Data (\$ Mil):

	<u>FY 1979</u>		<u>FY 1980</u>		<u>FY 1981</u>	
	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>
Weapon System Cost	-0-	-0-	-0-	-0-	150	2.1

Basis for FY 1981 Request: Required to provide interface between current net radios and the SB-3614 Unit level automatic switches and with the AN/TTC-39 TRI-TAC switch.

Contract Data:

<u>Major Subsystem</u>	<u>Contractor</u>	<u>Type of Last Contract</u>
Control Radio Set, C-6709	Unknown	SS/FFP

Production Data:

	<u>FY 1979</u>	<u>FY 1980</u>	<u>FY 1981</u>	<u>FY 1982</u>	<u>FY 1983</u>
Funded	0	0	150	XXXX	XXXX
Delivered	0	0	0	( 50)	( 100)

Inventory/Objective:

	<u>END FY 1979 FDP <u>1/</u></u>	<u>END FY 1980 FDP</u>	<u>END FY 1981 FDP</u>
Force Units - DFE <u>2/</u>	XXXX	XXXX	24
Inventory Objective	XXXX	XXXX	187 <u>3/</u>
On Hand/On Order	37	37	187
% Inventory Objective Achieved	20	20	100

- 1/ FDP = Funded Delivery Period  
2/ DFE = Division Force Equivalent  
3/ Initial Issue Quantity (IIQ) only

OTHER PROCUREMENT, ARMY  
Tactical Telecommunications Equipment Data Sheet

Service: Army

P-1 Line Item: 53

Nomenclature: Converter, CV-1548

Description/Mission: The CV-1548 is a companion unit to multiplexers TD-660, TD-352 and TD-353 which have no internal signalling or hybrid facilities. Provides 20 HZ signal required to ring telephone or switchboard and a 1600 HZ signal required to ring multiplexers.

Cost Data (\$ Mil):

	<u>FY 1979</u>		<u>FY 1980</u>		<u>FY 1981</u>	
	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>
Weapon System Cost	304	1.2	0	0	732	2.8

Basis for FY 1981 Request: For the PATRIOT and Satellite terminals that will be fielded when these CV-1548's become available.

Contract Data:

<u>Major Subsystem</u>	<u>Contractor</u>	<u>Type of Last Contract</u>
Converter, CV-1548	Unknown	C/FP

Production Data:

	<u>FY 1979</u>	<u>FY 1980</u>	<u>FY 1981</u>	<u>FY 1982</u>	<u>FY 1983</u>
Funded Delivered	304 0	0 0	732 (304)	XXXX 0	XXXX (732)
<u>Inventory/Objective:</u>					
Force Units - DFE <u>2/</u>					
Inventory Objective	XXXX		XXXX		24
On Hand/On Order	XXXX		XXXX		13722
% Inventory Objective Achieved	7640		7640		8552
	56		56		62

END FY 1979 FDP 1/ END FY 1980 FDP END FY 1981 FDP

1/ FDP = Funded Delivery Period  
2/ DFE = Division Force Equivalent

OTHER PROCUREMENT, ARMY  
Tactical Telecommunications Equipment Data Sheet

Service: Army

P-1 Line Item: 55

Nomenclature: Data Buffer, High Speed, TD-1065

Description/Mission: The TD-1065 is a device to provide access for wideband secure voice and high speed serial data signals, 16 to 32K bits/second in the inventory multichannel transmission systems. It provides 12 channel digital transmission capability when used with multiplexers TD-660 and TD-352. It is the key item in the transition from analog switched systems to the secure digital switching systems developed under the TRI-TAC Program.

Cost Data (\$ Mil):

	FY 1979		FY 1980		FY 1981	
	Qty	Amt	Qty	Amt	Qty	Amt
Weapons System Cost	-0 -	-0 -	430	7.9	370	7.1

Basis for FY 1981 Request: First year of multiyear buy to equip Army units with these urgently required items to enhance Army communications capability and to interface with the TRITAC Program.

Contract Data:

<u>Major Subsystem</u>	<u>Contractor</u>	<u>Type of Last Contract</u>
Data Buffer, TD-1065	Unknown	OSS/FFP (Option)

Production Data:

	<u>FY 1979</u>	<u>FY 1980</u>	<u>FY 1981</u>	<u>FY 1982</u>	<u>FY 1983</u>
Funded	0	430	370	XXXX	XXXX
Delivered	0	(350)	(650)	( 0)	(370)

Inventory/Objective:

	<u>END FY 1979 FDP<sup>1/</sup></u>	<u>END FY 1980 FDP</u>	<u>END FY 1981 FDP</u>
Force Units - DFE <sup>2/</sup>	XXXX	XXXX	24
Inventory Objective	XXXX	XXXX	8951
On Hand/On Order	570	1000	1365
% Inventory Objective Achieved	6	11	15

1/ FDP = Funded Delivery Period  
2/ DFE = Division Force Equivalent

OTHER PROCUREMENT, ARMY  
Tactical Telecommunications Equipment Data Sheet

Service: Army

P-1 Line Item: 56

Nomenclature: Data Multiplexer, TD-1069

Description/Mission: A device to provide access for up to 12 teletypewriters (TTY) and/or digital data signals into the multichannel communications system. The inputs may originate from TTY operating at transmission speeds of 45 to 150 bits/second (BPS) or from digital data devices operating at speeds of 600, 1200, 2400 and 9600 BPS. It will allow different devices operating at different speeds to access the multichannel communications system.

Cost Data (\$ Mil):

	<u>FY 1979</u>		<u>FY 1980</u>		<u>FY 1981</u>	
	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>
Weapons System Cost	310	7.2	-0-	-0-	255	5.1

Basis for FY 1981 Request: Last programmed buy to support the current multichannel communications system and the transition to the equipments developed under the TRI-TAC Program.

Contract Data:

<u>Major Subsystem</u>	<u>Contractor</u>	<u>Type of Last Contract</u>
Data Multiplexer, TD-1069	ITT Defense Communications Div Nutley, N.J.	SS/FP

Production Data:

	<u>FY 1979</u>	<u>FY 1980</u>	<u>FY 1981</u>	<u>FY 1982</u>	<u>END FY 1981 FDR</u>
Funded	310	0	255	XXXX	24
Delivered	0	0	( 30)	(535)	2358 <u>3/</u>
<u>Inventory/Objective:</u>					
Force Units - DFE <u>2/</u>	XXXX	XXXX	XXXX		24
Inventory Objective	XXXX	XXXX	XXXX		2358 <u>3/</u>
On Hand/On Order	310	310	310		565
% Inventory Objective Achieved	13	13	13		24

- 1/ FDP = Funded Delivery Period  
2/ DFE Division Force Equivalent  
3/ Estimated IIQ 2358

OTHER PROCUREMENT, ARMY  
Tactical Telecommunications Equipment Data Sheet

Service: Army

P-1 Line Item: 57

Nomenclature: Digital Data Generator Box, SG-1139

Description/Mission: The SG-1139 is used to measure the bit error rate (BER) of the TD-1065 on a channel basis. This will provide an indication of the condition of selected circuits for passing data transmission. Required to align tactical multichannel transmission system for 16 and 32 kilobits digital operation.

Cost Data (\$ Mil):

	FY 1979		FY 1980		FY 1981	
	Qty	Amt	Qty	Amt	Qty	Amt
ea pon System Cost	-0-	-0-	-0-	-0-	105	3.4

Basis for FY 1981 Request: Initial buys for employment with the TD-1065 that were previously procured.

Contract Data:

Major Subsystem  
Digital Data Generator,  
SG-1139

Contractor  
Raytheon  
Sudbury, MA

Type of Last Contract

None

Production Data:

	<u>FY 1979</u>	<u>FY 1980</u>	<u>FY 1981</u>	<u>FY 1982</u>	
Funded Delivered	0 0	0 0	105 ( 15)	XXXX (90)	
<u>Inventory/Objective:</u>					
	<u>END FY 1979 FDP</u>	<u>1/</u>	<u>END FY 1980 FDP</u>		<u>END FY 1981 FDP</u>
Force Units - DFE <u>2/</u>	XXXX		XXXX		24
Inventory Objective	XXXX		XXXX		454 <u>3/</u>
On Hand/On Order	0		0		105
% Inventory Objective Achieved	0		0		23

- 1/ FDP = Funded Delivery Period  
2/ DFE = Division Force Equivalent  
3/ Estimated Initial Issue Quantity (IIQ)

OTHER PROCUREMENT, ARMY  
Tactical Telecommunications Equipment Data Sheet

Service: Army

P-1 Line Item: 58

Nomenclature: Hand Crank Generator, G-76

Description/Mission: The G-76 is a hand crank generator to supply 200 watt, 30 volt D.C. output to power the AN/PRC-70 and the AN/PSC-1 directly, or to recharge the batteries for these equipments. The G-76 will be used by Special Forces units operating deep in enemy territory.

Cost Data (\$ Mil):

	<u>FY 1979</u>		<u>FY 1980</u>		<u>FY 1981</u>	
	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>
Weapons System Cost	-0-	-0-	400	2.4	400	2.3

Basis for FY 1981 Request: This is a second of this item. It will replace the G-43 Generator which is not adequate for the intended use.

Contract Data:

<u>Major Subsystem</u>	<u>Contract</u>	<u>Type of Last Contract</u>
G-76 Hand Crank Generator	Unknown	None

Production Data:

	<u>FY 1979</u>	<u>FY 1980</u>	<u>FY 1981</u>	<u>FY 1982</u>	
Funded	0	400	400	XXXX	
Delivered	0	0	(200)	(600)	
<u>Inventory/Objective:</u>					
Force Units - DFE <u>2/</u>	<u>END FY 1979 FDP <u>1/</u></u>		<u>END FY 1980 FDP</u>		<u>END FY 1981 FDP</u>
Inventory Objective	XXXX		XXXX		24
On Hand/On Order	XXXX		XXXX		1500 (Est)
% Inventory Objective Achieved	0		400		800
	0		27		53

1/ FDP = Funded Delivery Period  
2/ DFE = Division Force Equivalent

OTHER PROCUREMENT, ARMY  
Tactical Telecommunications Equipment Data Sheet

Service: Army

P-1 Line Item: 59

Nomenclature: Multiplexer, TD-660

Description/Mission: The TD-660 provides the capability to convert 6 or 12 analog channels to a digital signal for transmission over a single cable or radio link. A component of radio and telephone assemblies in the division and corps multichannel communications system, and the PATRIOT and Tactical Satellite Communications Assemblages.

Cost Data (\$ Mil):

	<u>FY 1979</u>		<u>FY 1980</u>		<u>FY 1981</u>	
	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>
Weapons System Cost	304	1.5	-0-	-0-	811	4.8

Basis for FY 1981 Request: For installation in the PATRIOT missile and Tactical Satellite Communications Assemblages.

Contract Data:

<u>Major Subsystem</u>	<u>Contractor</u>	<u>Type of Last Contract</u>
Multiplexer, TD-660	Unknown	C/FP

Production Data:

	<u>FY 1979</u>	<u>FY 1980</u>	<u>FY 1981</u>	<u>FY 1982</u>	<u>FY 1983</u>
Funded Delivered	304 0	0 0	811 (304)	XXXX 0	XXXX (811)
<u>Inventory/Objective:</u>					
	<u>END FY 1979 FDP</u>	<u>1/</u>	<u>END FY 1980 FDP</u>		<u>END FY 1981 FDP</u>
Force Units - DFE <u>2/</u>	XXXX		XXXX		24
Inventory Objective	XXXX		XXXX		14279
On Hand/On Order	3875		3875		4686
% Inventory Objective Achieved	27		27		33

1/ FDP = Funded Delivery Period  
2/ DFE = Division Force Equivalent

OTHER PROCUREMENT, ARMY  
Tactical Telecommunications Equipment Data Sheet

Service: Army

P-1 Line Item: 60

Nomenclature: Multiplexer, TD-1250

Description/Mission: The TD-1250 is used with the AN/GRC-103 radio to combine two 12 channel pulse code modulated (PCM) signal streams for transmission as a 24 channel group. Replaces and is not interchangeable with the TD-202 Multiplexer.

Cost Data (\$ Mil):

	<u>FY 1979</u>		<u>FY 1980</u>		<u>FY 1981</u>	
	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>
Weapons System Cost	-0-	-0-	-0-	-0-	294	\$4.7

Basis for FY 1981 Request: To equip previously procured AN/TRC-151 radio terminals and AN/TRC-152 radio repeaters.

Contract Data:

<u>Major Subsystem</u>	<u>Contractor</u>	<u>Type of Last Contractor</u>
Multiplexer, TD-1250	Canadian Marconi, Canada	SS/FP

Production Data:

	<u>FY 1979</u>	<u>FY 1980</u>	<u>FY 1981</u>	<u>FY 1982</u>	<u>END FY 1981 FDP</u>
Funded Delivered	0 0	(121) 0	294 ( 41)	XXXX (374)	
<u>Inventory/Objective:</u>					
Force Units - DFE <u>2/</u>					24
Inventory Objective					885 <u>3/</u>
On Hand/On Order					415
% Inventory Objective Achieved					47

END FY 1979 FDP 1/

END FY 1980 FDP

- 1/ FDP = Funded Delivery Period  
2/ DFE = Division Force Equivalent  
3/ OSD Constrained Initial Issue Quantity (IIQ).

OTHER PROCUREMENT, ARMY  
Tactical Telecommunications Equipment Data Sheet

Service: Army

P-1 Line Item: 62

Nomenclature: Pulse Form Restorer, TD-206

Description/Mission: The TD-206 is a 2-way regenerative repeater used in a cable system to restore and regenerate the original pulse train in both directions of transmission. It eliminates distortion caused by noise and by band-width limitations. Employed in multichannel cable systems at one mile increments up to a maximum length of 40 miles.

Cost Data (\$ Mil):

	<u>FY 1979</u>		<u>FY 1980</u>		<u>FY 1981</u>	
	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>
Weapon System Cost	-0-	-0-	-0-	-0-	1209	2.6

Basis for FY 1981 Request: Continued procurement to improve the readiness of forward deployed forces, CONUS forces and for quick deployable forces.

Contract Data:

Major Subsystem

Pulse Form Restorer, TD-206

Contractor

Unknown

Type of Last Contract

SS/FP

5-66 - 1/21/80

Production Data:

	<u>FY 1979</u>	<u>FY 1980</u>	<u>FY 1981</u>	<u>FY 1982</u>	<u>FY 1983</u>
Funded	0	0	1209	XXXX	XXXX
Delivered	0	0	0	(830)	( 379)
<u>Inventory/Objective:</u>					
	<u>END FY 1979 FDP</u>	<u>END FY 1980 FDP</u>	<u>END FY 1981 FDP</u>		
Force Units - DFE <u>2/</u>	XXXX	XXXX	XXXX		24
Inventory Objective	XXXX	XXXX	XXXX		8945
On Hand/On Order	5706	5162	5162		6248
% Inventory Objective Achieved	64	58	58		70

1/ FDP = Funded Delivery Period  
2/ DFE = Division Force Equivalent

OTHER PROCUREMENT, ARMY  
Tactical Telecommunications Equipment Data Sheet

Service: Army

P-1 Line Item: 65

Manufacturer: Radio Set, AN/GRC-103

Description/Mission: The AN/GRC-103 is a lightweight solid state general purpose radio set for use in conjunction with 6/12/24 channel PCM multiplex equipment to transmit up to 24 voice and data channels. It is the primary radio for the current Army tactical multichannel systems, air defense artillery multichannel systems and for the digital equipments developed under the TRI-TAC program.

Cost Data (\$ Mil):

	<u>FY 1979</u>		<u>FY 1980</u>		<u>FY 1981</u>	
	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>
Weapons System Cost	306	10.1	-0-	-0-	237	8.8

Basis for FY 1981 Request: For PATRIOT missile terminals that will be delivered in the same time frame.

Contract Data:

<u>Major Subsystem</u>	<u>Contractor</u>	<u>Type of Last Contract</u>
Radio Set AN/GRC-103	Unknown	C/FP

Production Data:

	<u>FY 1979</u>	<u>FY 1980</u>	<u>FY 1981</u>	<u>FY 198</u>	<u>FY 1983</u>
Funded	506	-0-	237	XXXX	XXXX
Delivered	-0-	-0-	(306)	-0-	( 237)
<u>Inventory/Objective:</u>					
	<u>END FY 1979 FDP</u>	<u>END FY 1979 FDP</u>	<u>END FY 1980 FDP</u>	<u>END FY 1981 FDP</u>	
Force Units - DFE <sup>2/</sup>	XXXX	XXXX	XXXX	XXXX	24
Inventory Objective	XXXX	XXXX	XXXX	XXXX	5483
On Hand/On Order	2672	2672	2672	2672	2909
% Inventory Objective Achieved	49	49	49	49	53

1/ FDP = Funded Delivery Period

2/ DFE = Division Force Equivalent

OTHER PROCUREMENT, ARMY  
Tactical Telecommunications Equipment Data Sheet

Service: Army

P-1 Line Item: 70

Nomenclature: Small Unit Transceiver, AN/PRC-68

Description/Mission: The AN/PRC-68 Radio is a lightweight VHF (FM) single channel transceiver designed for use at the small unit level. The radio provides short range, two way voice communications on any of 1,000 available individual channels.

Cost Data (\$ Mil):

	<u>FY 1979</u>		<u>FY 1980</u>		<u>FY 1981</u>	
	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>
upon System Cost	800	2.0	3400	8.3	2777	8.4

Basis for FY 1981 Request: To provide AN/PRC-68 to high priority active Army units for use at the combat squad level and artillery battery level for small unit control and intrabattery communications. The radio will replace the current squad radios, AN/PRT-4 and AN/PRR-9.

Contract Data:

<u>Major Subsystem</u>	<u>Contractor</u>	<u>Type of Last Contract</u>
Small Unit Transceiver, AN/PRC-68	MAGNAVOX Ft Wayne, IN	FFP

Production Data:

	<u>FY 1979</u>	<u>FY 1980</u>	<u>FY 1981</u>	<u>FY 1982</u>	<u>END FY 1981 FDP</u>
Funded	800	3400	2777	XXXX	
Delivered	0	( 41)	(3539)	(3397)	
<u>Inventory/Objective:</u>					
	<u>END FY 1979 FDP</u>	<u>1/</u>	<u>END FY 1980 FDP</u>		<u>END FY 1981 FDP</u>
Force Units - DFE <u>2/</u>	XXXX		XXXX		24
Inventory Objective	XXXX		XXXX		33000 <u>3/</u>
On Hand/On Order	1478		4849		7610
% Inventory Objective Achieved	4		15		23

- 1/ FDP = Funded Delivery Period  
 2/ DFE = Division Force Equivalent  
 3/ Estimated

OTHER PROCUREMENT, ARMY  
Tactical Telecommunications Equipment Data Sheet

Service: Army

P-1 Line Item: 76

Nomenclature: Teletypewriter Terminal, AN/UGC-74

Description/Mission: A fully militarized microprocessor controlled record traffic terminal capable of storing up to 16000 characters of data and of providing prompting and editing to facilitate message composition. Operates at speeds from 45.5 baud to 1200 bits per second. Replaces obsolete, maintenance intensive, unreliable electromechanical teletypewriters in tactical units. The AN/UGC-74 is a standard component of the TRI-TAC Modular Record Traffic Terminal (MRTT) program.

Cost Data (\$ Mil):

	<u>FY 1979</u>		<u>FY 1980</u>		<u>FY 1981</u>	
	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>
Weapon System Cost	-0-	-0-	3050	25.0	1768	15.2

Basis for FY 1981 Request: Option year of a two year multiyear buy and will complete the quantities necessary to upgrade the readiness condition of active forces and high priority reserve component units. Future procurements will be as a component of the TRI-TAC MRTT program.

Contract Data:

<u>Major Subsystem</u>	<u>Contractor</u>	<u>Type of Last Contract</u>
Teletypewriter Terminal AN/UGC-74	Honeywell Info System Tampa, Fla	A/FFP

Production Data:

	<u>FY 1979</u>	<u>FY 1980</u>	<u>FY 1981</u>	<u>FY 1982</u>	
Funded	0	3050	1768	XXXX	
Delivered	0	(2105)	(2915)	(2263)	
<u>Inventory/Objective:</u>					
	<u>END FY 1979 FDP</u>	<u>1/</u>	<u>END FY 1980 FDP</u>	<u>END FY 1981 FDP</u>	
Force Units - DFE <u>2/</u>	XXXX		XXXX	24	
Inventory Objective	XXXX		XXXX	11097 <u>3/</u>	
On Hand/On Order	2463		5513	7262	
/ Inventory Objective Achieved	22		50	65	

1/ FDP = Funded Delivery Period  
 2/ DFE = Division Force Equivalent  
 3/ Estimated

OTHER PROCUREMENT, ARMY  
Tactical Telecommunications Equipment Data Sheet

Service: Army

P-1 Line Item: 77

Nomenclature: FM Multiplexer, TD-1289

Description/Mission: The VHF Transceiver Multicoupler will have the capability of combining two to five tactical radio transceivers, each with a power output capability of 60 watts, on a single antenna. The Multiplexer used in combination with an omnidirectional broadband antenna, such as the OE-254, will result in a simpler, faster, and less detectable installation with reliable and predictable isolation between individual transceivers.

Cost Data (\$ Mil):

	<u>FY 1979</u>		<u>FY 1980</u>		<u>FY 1981</u>	
	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>
Weapons System Cost	-0-	-0-	250	3.0	1568	9.1

Basis for FY 1981 Request: To provide the VHF transceiver multiplexer to combat units at all echelons from theater down through battalion levels. This device will reduce the time required to set up or take down the communications complex for tactical command posts by reducing the required number of antennas. The smaller number of antennas will reduce both the visual and the electronic profile, thus reducing the detectability of the command post. The multiplexer, by providing reliable and predictable isolation between transceivers, will simplify frequency assignments and provide better spectrum utilization.

Contract Data:

<u>Major Subsystem</u>	<u>Contractor</u>	<u>Type of Last Contract</u>
FM Multiplexer, TD-1289	To be selected	None

Production Data:

	<u>FY 1979</u>	<u>FY 1980</u>	<u>FY 1981</u>	<u>FY 1982</u>	<u>FY 1983</u>
Funded	0	250	1568	XXXX	XXXX
Delivered	0	0	( 250)	( 200)	(1368)

Inventory/Objective:

	<u>END FY 1979 FDP</u>	<u>1/</u>	<u>END FY 1980 FDP</u>	<u>END FY 1981 FDP</u>
Force Units - DFE <u>2/</u>	XXXX		XXXX	24
Inventory Objective	XXXX		XXXX	6766
On Hand/On Order	0		250	1818
% Inventory Objective Achieved	0		4	27

1/ FDP = Funded Delivery Period

2/ DFE = Division Force Equivalent

OTHER PROCUREMENT, ARMY  
Other Telecommunications Equipment Data Sheet

Service: Army

P-1 Line Item: 80

Nomenclature: Joint Cr-sis Management Capability (JCMC)

Description/Mission: Joint Crisis Management Capability (JCMC) provides the commanders of the unified commands an airborne/transportable package to rapidly deploy for crisis management and joint military contingency operations. The system will provide jam-resistant circuits from deployed locations to the unified commands.

Cost Data (\$ Mil):

	<u>FY 1979</u>	<u>FY 1980</u>	<u>FY 1981</u>
	<u>Qty</u>	<u>Qty</u>	<u>Qty</u>
	<u>Amt</u>	<u>Amt</u>	<u>Amt</u>
Weapon System Cost	-0 -	-0 -	14.1

Basis for FY 1981 Request: Provides procurement of off-the-shelf military and commercially developed equipment to produce the prototype JCMC package using a system development/integration approach in lieu of a research and development effort. The FY 81 funds will also provide the Engineer, Furnish, Install and Test (EFI&T) effort to include design specifications needed to support aircraft mods. Delay of funds places the Army program out of synchronization with Air Force aircraft mods.

OTHER PROCUREMENT, ARMY  
Other Telecommunications Equipment Data Sheet

Service: Army

P-1 Line Item: 81

Nomenclature: Army Telecommunications Automation Program (ATCAP)

Description/Mission: ATCAP is designed to consolidate, automate, and standardize telecommunications centers and provide improved record traffic services and writer-to-reader message services to U.S. Forces commanders worldwide. These automated facilities are capable of supporting an increasing number of management information systems while providing more efficient narrative communications services with reduced manpower requirements.

Cost Data (\$ Mil):

	<u>FY 1979</u>	<u>FY 1980</u>	<u>FY 1981</u>
	<u>Qty</u>	<u>Qty</u>	<u>Qty</u>
	<u>Amt</u>	<u>Amt</u>	<u>Amt</u>
Weapons System Cost	6.6	10.0	16.7

Basis for FY 1981 Request: Provides Army with automated telecommunications center functions through the use of state-of-the-art standard remote terminals, teletypewriters, and automated multi-media exchanges; also provides automation of manual telecommunications center functions. Denial of FY 1981 funds will result in retention of telecommunications facilities which are inadequate to meet operational requirements of modern armed forces, and which are experiencing escalating maintenance costs. Personnel reductions have already been instituted in anticipation of this improvement.

OTHER PROCUREMENT, ARMY  
Other Telecommunications Equipment Data Sheet

Service: Army

P-1 Line Item: 82

Nomenclature: Communications-Electronics (C-E) Facilities/Projects

Description/Mission: Provides for procurement of telecommunications equipment/facilities in support of unilateral Army requirements which are not a part of the Defense Communications System (DCS). These are long-haul communications for command and control, intelligence, and administrative traffic.

Cost Data (\$ Mil):

	<u>FY 1979</u>	<u>FY 1980</u>	<u>FY 1981</u>
	<u>Qty</u>	<u>Qty</u>	<u>Qty</u>
	<u>Amt</u>	<u>Amt</u>	<u>Amt</u>
Weapon System Cost	3.0	0	4.4

Basis for FY 1981 Request: Provides for procurement of test, measurement and diagnostic equipment to support operations, maintenance and quality control of Army-operated worldwide communications facilities. Also provides for completion of the FIESTA range microwave system serving White Sands Missile Range

OTHER PROCUREMENT, ARMY  
Other Telecommunications Equipment Data Sheet

Service: Army

P-1 Line Item: 91

Nomenclature: Transmission Media

Description/Mission: Provides for expansion and upgrade of the Defense Communications System (DCS) long-haul telecommunications transmission systems worldwide, excluding the Defense Satellite Communications System (DSCS). The DCS provides transmission paths (channels) for voice and record message traffic worldwide on a common user basis, and on a point-to-point basis when justified. These facilities also interconnect to the DSCS.

Cost Data (\$ Mil):

	FY 1979		FY 1980		FY 1981	
	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>
Weapons System Cost		12.6		8.5		3.9

Basis for FY 1981 Request: Provides for Digital European Backbone and digital upgrade for US forces employed in Europe. Denial of the FY 1981 funds will result in slippage of conversion program (analog to digital) for the transmission links and allow these links to remain susceptible to exploitation by non-US elements. In addition, maintenance costs will increase as old and obsolete equipment remains in service.

OTHER PROCUREMENT, ARMY  
Other Telecommunications Equipment Data Sheet

Service: Army

P-1 Line Item: 92

Nomenclature: Worldwide Technical Control Improvement Program (WWTICIP)

Description/Mission: A Defense Communications Agency (DCA) managed program to increase the functional capability of existing manual technical control, and patch and test facilities, and to provide evolutionary growth of automatic and processor assisted technical controls for the worldwide Defense Communications System (DCS). Upgrading the manual facilities is necessary to provide control for new transmission technology circuits (digital). Automation is being done in order that trouble on circuits may be detected and corrected before outages occur. The technical control facilities provide for day-to-day testing and control of DCS facilities worldwide.

Cost Data (\$ Mil):

	FY 1979		FY 1980		FY 1981	
	Qty	Amt	Qty	Amt	Qty	Amt
Weapons System Cost		4.7		0		7.4

Basis for FY 1981 Request: Provides for upgrading manual technical control facilities in Europe so as to be commensurate with new technology (digital) being employed and to provide for automation of selected technical control facilities worldwide. The upgrades are in support of new transmission systems and for correction of operational deficiencies. Denial of FY 1981 funds to accomplish required upgrades would result in technical control personnel being unable to monitor, test, and reroute circuits in the new and existing transmission systems. Consequently, the systems would degrade or fail with no restoration of service.

OTHER PROCUREMENT, ARMY  
Other Telecommunications Equipment Data Sheet

Service: Army

P-1 Line Item: 94 101

Nomenclature: Defense Satellite Communications System (DSCS)

Description/Mission: DSCS satisfies unique and vital command and control communications in support of National Command Authority, National Military Command System, Worldwide Military Command and Control System, Joint Chiefs of Staff, Diplomatic Telecommunications System, Defense Communications System, and intelligence and early warning requirements.

Cost Data (\$ Mil):

	<u>FY 1979</u>	<u>FY 1980</u>	<u>FY 1981</u>
	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>
		<u>Amt</u>	<u>Amt</u>
Weapons System Cost	40.4	108.0	97.9

Basis for FY 1981 Request: Army provides ground terminals with associated Defense communications sub systems to support Tri-Service requirements. FY 1981 program includes Light Transportable Satellite Terminals, anti-jam equipment, Defense communications sub systems, satellite control equipment, and transmission interconnect equipment. Denial of FY 1981 funds will disrupt Army multi-year contracts, cause ground and space subsystem programs to become out of phase with one another, and completely interrupt implementation of resources by the Military Departments.

OTHER PROCUREMENT, ARMY  
Other Telecommunications Equipment Data Sheet

Service: Army

P-1 Line Item: 103

Nomenclature: Manpack Radio Set, AN/PSC-1

Description/Mission: The AN/PSC-1 is an ultra high frequency (UHF) single channel, light weight, satellite terminal capable of providing burst data transmissions. This system will be employed in the Special Forces, Ranger Battalions, and Engineer Atomic Demolition units. It provides a high degree of survivability and positive communication link during all levels of propagation conditions required for conventional warfare operations.

Cost Data (\$ Mil):

	FY 1979		FY 1980		FY 1981	
	Qty	Amt	Qty	Amt	Qty	Amt
Weapon System Cost	104	5.8	0	0	70	3.1

Basis for FY 1981 Request: To provide a new capability for long range communications to additional fast-moving behind-the-lines Special Forces units and to Engineer Atomic Demolition Munitions teams for nuclear command and control. Should the FY 1981 request be denied the above active forces will continue to use communications equipment having marginal capability due to terrain limitations, distance and propagation conditions.

Production Data:

	<u>FY 1979</u>	<u>FY 1980</u>	<u>FY 1981</u>	<u>FY 1982</u>	<u>FY 1983</u>
Funded	104	0	70	XXXX	XXXX
Delivered	0	0	0	( 144)	( 30)
<u>Inventory/Objective:</u>					
		<u>END FY 1979 FDP</u>		<u>END FY 1980 FDP</u>	<u>END FY 1981 FDP</u>
Force Units - DFE <u>2/</u>		XXXX		XXXX	24
Inventory Objective		XXXX		XXXX	231
On Hand/On Order		104		104	174
% Inventory Objective Achieved		45		45	75

1/ FDP = Funded Delivery Period

2/ DFE = Division Force Equivalent

OTHER PROCUREMENT, ARMY  
Other Telecommunications Equipment Data Sheet

Service: Army

P-1 Line Item: 105

Nomenclature: Satellite Communications Terminal, AN/MS-C-64 (v)2

Description/Mission: The AN/MS-C-64 (v)2 is a single channel, ultra high frequency (UHF) mobile terminal which provides satellite communications to special purpose nets in the Europe and Pacific theaters.

Cost Data (\$ Mil):

	<u>FY 1979</u>		<u>FY 1980</u>		<u>FY 1981</u>	
	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>
Weapon System Cost	8	3.3	100	27.2	75	23.1

Basis for FY 1981 Request: The FY 1981 program continues the multi-year procurement which started in FY 1977 and procures additional terminals for the forward deployed active forces. Should the FY 1981 program be denied, contract termination charges will be incurred.

Contract Data:

<u>Major Subsystem</u>	<u>Contractor</u>	<u>Type of Last Contract</u>
-	MAGNAVOX Corp. Ft. Wayne, Ind.	Fixed Price

Production Data:

	<u>FY 1979</u>	<u>FY 1980</u>	<u>FY 1981</u>	<u>FY 1982</u>	<u>FY 1983</u>
Funded	8	100	75	XXXX	XXXX
Delivered	0	0	(50)	( 105)	( 55)

Inventory/Objective:

	<u>END FY 1979 FDP</u>	<u>END FY 1980 FDP</u>	<u>END FY 1981 FDP</u>
Force Units - DFE <u>2/</u>	XXXX	XXXX	24
Inventory Objective	XXXX	XXXX	267
On Hand/On Order	35	135	210
% of Inventory Objective Achieved	13	51	79

1/ FDP = Funded Delivery Period  
2/ DFE = Division Force Equivalent

OTHER PROCUREMENT, ARMY  
Other Telecommunications Equipment Data Sheet

Service: Army

P-1 Line Item: 106

Nomenclature: Satellite Communications Terminal, AN/MS-C-65

Description/Mission: The AN/MS-C-65 is a single channel ultra high frequency (UHF) tactical satellite communications terminal. This terminal provides rapidly deployable, tactical record traffic communications to satisfy fire direction and command control requirements.

Cost Data (\$ Mil):

	FY 1979		FY 1980		FY 1981	
	Qty	Amt	Qty	Amt	Qty	Amt
Weapon System Cost	0	0	0	0	12	3.2

Basis for FY1981 Request: To replace selected command radios currently being used in low data rate, high frequency teletypewriter (HF RATT) nets by forward deployed active forces. Should the FY 1981 request be denied, the current (outdated) HF RATT nets will continue to be used to provide command and control record traffic communications which will be restricted by terrain, distance, and propagation conditions.

Production Data:

	<u>FY 1979</u>	<u>FY 1980</u>	<u>FY 1981</u>	<u>FY 1982</u>	<u>FY 1983</u>
Funded	0	0	12	XXXX	XXXX
Delivered	0	0	0	0	( 12 )

Inventory/Objective:

	<u>END FY 1979 FDP</u>	<u>END FY 1980 FDP</u>	<u>END FY 1981 FDP</u>
Force Units - DFE <u>2/</u>	XXXX	XXXX	24
Inventory Objective	XXXX	XXXX	1118
On Hand/On Order	0	0	12
Inventory Objective Achieved	0	0	1

1/ FDP = Funded Delivery Period  
2/ DFE = Division Force Equivalent

OTHER PROCUREMENT, ARMY  
Other Telecommunications Equipment Data Sheet

Service: Army

P-1 Line Item: 107

Nomenclature: Satellite Communications Terminal, AN/TSC-85

Description/Mission: The An/TSC-85 is a multichannel, super high frequency (SHF) tactical satellite communications terminal. It provides multi point or nodal communications up to 96 voice channels. It provides a tactical jam-resistant means of communications that is highly mobile, capable of rapid set-up/tear-down, and relatively independent of terrain and weather conditions. It provides the needed improvements to maintain Army tactical force readiness.

Cost Data (\$ Mil):

	<u>FY 1979</u>		<u>FY 1980</u>		<u>FY 1981</u>	
	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>
Weapons System Cost	7	16.0	0	0	12	17.1

Basis for FY 1981 Request: The FY 1981 program continues the multi-year procurement which started in FY 1979, and provides additional terminals to support forward deployed forces. If the FY 1981 request is denied the operating lifetime of existing terrestrial equipment would have to be extended beyond planned phaseout schedules with the result that less reliable command and control communications will be used by tactical forces. In addition to the operational impact, contract termination charges will be incurred.

Contract Data: .

<u>Major Subsystem</u>	<u>Contractor</u>	<u>Type of Last Contract</u>
-	Harris Corporation Melbourne, Fla	Fixed Price

Production Data:

	<u>FY 1979</u>	<u>FY 1980</u>	<u>FY 1981</u>	<u>FY 1982</u>	<u>FY 1983</u>
Funded	7	0	12	XXXX	XXXX
Delivered	0	0	0	( 9)	( 10)

Inventory/Objective:

	<u>END FY 1979 FDP</u> <sup>1/</sup>	<u>END FY 1980 FDP</u>	<u>END FY 1981 FDP</u>
Force Units - DFE <sup>2/</sup>	XXXX	XXXX	24
Inventory Objective	XXXX	XXXX	206
On Hand/On Order	7	7	19
% Inventory Objective Achieved	3	3	9

<sup>1/</sup> FDP = Funded Delivery Period

<sup>2/</sup> DFE - Division Force Equivalent

OTHER PROCUREMENT, ARMY  
Other Telecommunications Equipment Data Sheet

Service: Army

P-1 Line Item: 108

Nomenclature: Satellite Communications Terminal, AN/TSC-93

Description/Mission: The AN/TSC-93 is a multichannel, super high frequency (SHF) tactical satellite communications terminal. It provides point-to-point or non-nodal communications up to 24 voice channels. It provides tactical jam-resistant means of communications that is highly mobile, capable of rapid set-up/tear-down, and relatively independent of terrain and weather conditions. It provides the needed improvements to maintain Army tactical force readiness.

Cost Data (\$ Mil):

	<u>FY 1979</u>		<u>FY 1980</u>		<u>FY 1981</u>	
	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>
Weapons System Cost	10	10.8	0	0	21	11.8

Basis for FY 1981 Request: The FY 1981 program continues the multi-year procurement which started in FY 1979, and provides additional terminals to support forward deployed forces. If the FY 1981 request is denied the operating lifetime of existing terrestrial equipment would have to be extended beyond planned phaseout schedules with the result that less reliable command and control communications will be used by tactical forces. In addition to the operational impact, contract termination charges will be incurred.

Contract Data:

<u>Major Subsystem</u>	<u>Contractor</u>	<u>Type of Last Contract</u>
	Harris Corporation, Melbourne, Fla.	Fixed Price

Production Data:

	<u>FY 1979</u>	<u>FY 1980</u>	<u>FY 1981</u>	<u>FY 1982</u>	<u>FY 1983</u>
Funded	10	0	21	XXXX	XXXX
Delivered	0	0	0	( 15)	( 16)
<u>Inventory/Objective:</u>					
		<u>1/</u>			
Force Units - DFE <sup>2/</sup>	XXXX		XXXX		24
Inventory Objective	XXXX		XXXX		355
On Hand/On Order	10		10		31
% Inventory Objective Achieved	3		3		9

END FY 1979 FDP 1/ END FY 1980 FDP END FY 1981 FDP

1/ FDP = Funded Delivery Period  
2/ DFE = Division Force Equivalent

OTHER PROCUREMENT, ARMY  
Other Telecommunications Equipment Data Sheet

Service: Army

P-1 Line Item: 109

Nomenclature: EUCOM C<sup>3</sup> (NWS)

Description/Mission: This program is designed to upgrade the command and control and communications (C<sup>3</sup>) for the critical Nuclear Weapons Storage (NWS) sites of the U.S. European Command (EUCOM).

Cost Data (\$ Mil):

	<u>FY 1979</u>
<u>Qty</u>	<u>Amt</u>

3.6

	<u>FY 1980</u>
<u>Qty</u>	<u>Amt</u>

0

	<u>FY 1981</u>
<u>Qty</u>	<u>Amt</u>

7.3

pons System Cost

Basis for FY 1981 Request: Will provide funding for procurement of high frequency (HF) radios and necessary engineering support for upgrade of communications at NWS sites in Europe. If Army request is denied, deterioration of communications in CEMETERY NET will continue until antiquated HF equipments can no longer be maintained.

OTHER PROCUREMENT, ARMY  
Other Telecommunications Equipment Data Sheet

Service: Army

P-1 Line Item: 111

Nomenclature: CMCS C-10377 ( )/GTC

Description/Mission: The Communications Mode Control Selector (CMCS) is designed to provide the capability to switch between the voice and data modes in VINSON-secured tactical wideband radio nets shared by both voice and data users. The device provides a special keying and remoting capability for data users.

Cost Data (\$ Mil):

	FY 1979		FY 1980		FY 1981	
	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>
weapons System Cost	0	0	2089	4.0	3168	6.3

Basis for FY 1981 Request: The CMCS is required to enable TACFIRE and other Army tactical data users to operate in shared voice/data nets in the secure mode. Without the CMCS, tactical data users would have to operate without communications security on FM radio nets, thus exposing vital command and control data to enemy exploitation.

Contract Data:

Major Subsystem

CMCS C-10377 ( )/GTC

Contractor

To Be Selected

Type of Last Contract

None

Production Data:

	<u>FY 1979</u>	<u>FY 1980</u>	<u>FY 1981</u>	<u>FY 1982</u>	<u>FY 1983</u>
Funded Delivered	0 0	2089 0	3168 ( 124)	XXXX (1965)	XXXX (3168)
<u>Inventory/Objective:</u>					
		<u>END FY 1979 FDP <sup>1/</sup></u>	<u>END FY 1980 FDP</u>		<u>END FY 1981 FDP</u>
Force Units - DFE <sup>2/</sup>	XXXX		XXXX		24
Inventory Objective	XXXX		XXXX		5257
On Hand/On Order	0		2089		5257
% Inventory Objective Achieved	0		39.7		100.0

1/ FDP = Funded Delivery Period  
2/ DFE = Division Force Equivalent

OTHER PROCUREMENT, ARMY  
Other Telecommunications Equipment Data Sheet

Service: Army

P-1 Line Item: 112

Nomenclature: Ded Loop Encryp Dev KG-84

Description/Mission: The Dedicated Loop Encryption Device, TSEC/KG-84, was developed under the TRI-TAC program to encrypt data and teletypewriter signals from dedicated (unswitched) AN/TTC-39 subscribers to a store and forward module. It is also intended to meet other point-to-point and netted record and data COMSEC requirements such as CRITICOM, WWMCCS, and DSCS.

Cost Data (\$ Mil):

	FY 1979		FY 1980		FY 1981	
	Qty	Amt	Qty	Amt	Qty	Amt
Weapons System Cost	222	1.8	1037	8.6	586	5.0

Basis for FY 1981 Request: The KG-84 is required to encrypt certain circuits in both tactical (TRI-TAC) and strategic (Defense Satellite Communications System) applications for the Army and common users (DCS)

Contract Data:

<u>Major Subsystem</u>	<u>Contractor</u>	<u>Type of Last Contract</u>
Ded Loop Encryp Dev, KG-84	Bendix Towson, Md.	None

Production Data:

	<u>FY 1979</u>	<u>FY 1980</u>	<u>FY 1981</u>	<u>FY 1982</u>	<u>FY 1983</u>
Funded	222	1037	586	XXXX	XXXX
Delivered	0	( 25)	(222)	( 680)	( 943)

<u>Inventory/Objective:</u>	<u>END FY 1979 FDP</u>	<u>END FY 1980 FDP</u>	<u>END FY 1981 FDP</u>
Force Units - DFE <sup>2/</sup>	XXXX	XXXX	24
Inventory Objective	XXXX	XXXX	10683
On Hand/On Order	247	1284	1870
% Inventory Objective Achieved	2.3	12.0	17.5

1/ FDP = Funded Delivery Period  
2/ DFE = Division Force Equivalent

OTHER PROCUREMENT, ARMY  
Other Telecommunications Equipment Data Sheet

Service: Army

P-1 Line Item: 1.3

Nomenclature: Dig Sub Vo T TSEC/KY-68

Description/Mission: The Digital Subscriber Voice Terminal, TSEC/KY-68, is a secure telephone set containing the audio processing, signaling, and cryptographic functions necessary to provide access to the TRITAC switches. These equipments will be available in desk set, rack mount, and ruggedized field version configuration.

Cost Data (\$ Mil):

	<u>FY 1979</u>		<u>FY 1980</u>		<u>FY 1981</u>	
	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>
Weapons System Cost	0	0	168	.9	640	4.9

Basis for FY 1981 Request: This will be the second year of a multiyear contract. Item is essential to provide the secure voice capability designed into the TRI-TAC system architecture.

Contract Data:

<u>Major Subsystem</u>	<u>Contractor</u>	<u>Type of Last Contract</u>
TSEC/KY-68	To Be Determined	None

Production Data:

	<u>FY 1979</u>	<u>FY 1980</u>	<u>FY 1981</u>	<u>FY 1982</u>	<u>FY 1983</u>	<u>FY 1984</u>
Funded	0	168	640	XXXX	XXXX	XXXX
Delivered	0	0	0	( 68)	( 525)	( 215)

Inventory/Objective:

	<u>END FY 1979 FDP</u>	<u>END FY 1980 FDP</u>	<u>END FY 1981 FDP</u>
Force Units - DFE <sup>2/</sup>	XXXX	XXXX	24
Inventory Objective	XXXX	XXXX	12523
On Hand/On Order	0	168	808
% Inventory Objective Achieved	0	1.3	6.4

1/ FDP = Funded Delivery Period  
2/ DFE = Division Force Equivalent

OTHER PROCUREMENT, ARMY  
Other Telecommunications Equipment Data Sheet

Service: Army

P-1 Line Item: 114

Nomenclature: Electronic Key Generator, TSEC/KG-30

Description/Mission: General purpose full duplex, tactical, electronic key generator to secure teletypewriters, data, voice or facsimile signals for tactical and fixed station applications. Can be used with single channel or multichannel equipment, but primary use is single channel. Designed to secure point-to-point and netted communications systems.

Cost Data (\$ Mil):

	FY 1979		FY 1980		FY 1981	
	Qty	Amt	Qty	Amt	Qty	Amt
Weapons System Cost	567	4.7	455	4.3	694	7.1

Basis for FY 1981 Request: Provides tactical and strategic teletypewriters, data, voice or facsimile signals with security on a worldwide basis. Principal users are PATRIOT, SOTAS, and US Army Communications Command projects.

Contract Data:

Major Subsystem

TSEC/KG-30

Contractor

Honeywell  
St. Petersburg, FL

Type of Last Contract

FFP

<u>Production Data:</u>				
	<u>FY 1979</u>	<u>FY 1980</u>	<u>FY 1981</u>	<u>FY 1982</u>
Funded	567	455	694	XXXX
Delivered	101	(490)	(2181)	( 764)
<u>Inventory/Objective:</u>	<u>END FY 1979 FDP</u>		<u>END FY 1980 FDP</u>	<u>END FY 1981 FDP</u>
Force Units - DFE <sup>2/</sup>	XXXX		XXXX	24
Inventory Objective	XXXX		XXXX	6074
On Hand/On Order	4395		4850	5544
% Inventory Objective Achieved	72.4		79.8	91.3

1/ FDP = Funded Delivery Period  
2/ DFE = Division Force Equivalent

OTHER PROCUREMENT, ARMY  
Other Telecommunications Equipment Data Sheet

Service: Army

P-1 Line Item: 116

Nomenclature: Elec Tran Dev, KYK-13/TSEC

Description/Mission: The electronic transfer device, KYK-13/TSEC, is a handheld, lightweight, battery operated device which is used to electronically load and transfer cryptographic variables for the TSEC/KY-57/58 (VINSON), TSEC/KY65/75 (PARKHILL), TSEC/KG-81, TSEC/KG-84, TSEC/KG-30, and other tactical and fixed plant communications security equipment.

Cost Data (\$ Mil):

	FY 1979		FY 1980		FY 1981	
	Qty	Amt	Qty	Amt	Qty	Amt
Weapons System Cost	6259	1.8	9475	2.2	7578	2.0

Basis for FY 1981 Request: Will provide electronic transfer devices to perform the required periodic key changes for the numerous COMSEC systems/equipment which these devices support, including VINSON, PARKHILL, TRI-TAC, and several tactical SIGINT/EW systems.

Contract Data:

<u>Major Subsystem</u>	<u>Contractor</u>	<u>Type of Last Contract</u>
Elec Tran Dev, KYK-13/TSEC	Motorola Scottsdale, AZ	FPI

Production Data:

	<u>FY 1979</u>	<u>FY 1980</u>	<u>FY 1981</u>	<u>FY 1982</u>	<u>FY 1983</u>	<u>FY 1984</u>
Funded	6259	9475	7578	XXXX	XXXX	XXXX
Delivered	828	(5443)	(6000)	(7300)	(10275)	( 478)

Inventory/Objective:

	<u>END FY 1979 FDP</u>	<u>1/</u>	<u>END FY 1980 FDP</u>	<u>END FY 1981 FDP</u>
Force Units - DFE <u>2/</u>	XXXX		XXXX	24
Inventory Objective	XXXX		XXXX	56103
On Hand/On Order	13407		22882	30460
% Inventory Objective Achieved	23.9		40.8	54.3

1/ FDP = Funded Delivery Period  
2/ DFE = Division Force Equivalent

OTHER PROCUREMENT, ARMY  
Other Telecommunications Equipment Data Sheet

Service: Army

P-1 Line Item: 123

Nomenclature: Speech Security Equipment, TSEC/KY-57

Description/Mission: A half-duplex, wideband, tactical secure voice equipment designed for manpack and vehicular application. New microminiaturized light weight equipment to provide communications security. tc  
based on quantity required to secure AAO for PRC-25/77 and VRC-12 radios.

Cost Data (\$Mil):

	<u>FY 1979</u>		<u>FY 1980</u>		<u>FY 1981</u>	
	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>
Weapons System Cost	12352	53.6	8131	34.5	8325	34.2

Basis for FY 1981 Request: Provides security for voice/data transmissions on the AN/PRC-25/77 and VRC-12 radios.  
Ultimate goal is to secure all tactical communications.

Contract Data:

<u>Major Subsystem</u>	<u>Contractor</u>	<u>Type of Last Contract</u>
TSEC /KY-57	MAGNAVOX, Ft Wayne, IN Honeywell, Tampa, FL	None

Production Data:

	<u>FY 1979</u>	<u>FY 1980</u>	<u>FY 1981</u>	<u>FY 1982</u>	<u>FY 1983</u>
Funded	12352	8131	8325	XXXX	XXXX
Delivered	1099	(4381)	(20100)	(7416)	(7025)

Inventory/Objective:

	<u>END FY 1979 FDP</u>	<u>1/</u>	<u>END FY 1980 FDP</u>	<u>END FY 1981 FDP</u>
Force Units - DFE	XXXX	2/	XXXX	24
Inventory Objective	XXXX		XXXX	103798
On Hand/On Order	21507		29638	37963
% Inventory Objective Achieved	20.7		28.6	36.6

1/ FDP = Funded Delivery Period  
2/ DFE = Division Force Equivalent

OTHER PROCUREMENT, ARMY  
Other Telecommunications Equipment Data Sheet

Service: Army

P-1 Line Item: 124

Nomenclature: Speech Security Equipment, TSEC/KY-58

Description/Mission: Half-duplex, wideband secure voice equip designed for airborne tactical use. New microminaturized light weight equipment to provide communications security to  
based on quantity required of two COMSEC equipment per aircraft. This equipment is also required in some ground applications in the TRI-TAC program.

Cost Data (\$ Mil):

	FY 1979		FY 1980		FY 1981	
	Qty	Amt	Qty	Amt	Qty	Amt
Weapons System Cost	3493	15.8	3345	13.8	2018	6.2

Basis for FY 1981 Request: Provides security for aircraft radios and certain ground installations.  
Ultimate goal is to secure all tactical communications.

Contract Data:

<u>Major Subsystem</u>	<u>Contractor</u>	<u>Type of Last Contract</u>
TSEC/KY-58	MAGNA VOX, Ft Wayne, IN Honeywell, Tampa, FL	FPI

Production Data:

	<u>FY 1979</u>	<u>FY 1980</u>	<u>FY 1981</u>	<u>FY 1982</u>	<u>FY 1983</u>
Funded	3493	3345	2018	XXXX	XXXX
Delivered	283	( 820)	(5016)	(3350)	(1418)
<u>Inventory/Objective:</u>					
	<u>END FY 1979 FDP</u>	<u>END FY 1980 FDP</u>	<u>END FY 1981 FDP</u>		
Force Units - DFE <sup>2/</sup>	XXXX	XXXX	XXXX		24
Inventory Objective	XXXX	XXXX	XXXX		19745
On Hand/On Order	4804	8149			10167
% Inventory Objective Achieve	24.3	41.3			51.5

1/ FDP = Funded Delivery Period

2/ DFE = Division Force Equivalent

OTHER PROCUREMENT, ARMY  
Other Telecommunications Equipment Data Sheet

Service: Army

P-1 Line Item: 127

Nomenclature: Tnk Encryp Dev, TSEC/KG-81

Description/Mission: The Trunk Encryption Device, TSEC/KG-81, is a general purpose full-duplex Key Generator used primarily for bulk encryption of multichannel traffic. In TRI-TAC applications, the KG-81 will encrypt trunk group traffic between circuit switches, traffic between loop group multiplexers and the circuit switch, and traffic between the circuit and store and forward message switches. In strategic communications applications, the KG-81 will encrypt trunk group traffic DCS switching centers at rates up to 20 Megabits/Sec.

Cost Data (\$ Mil):

	FY 1979		FY 1980		FY 1981	
	Qty	Amt	Qty	Amt	Qty	Amt
Weapons System Cost	27	.4	465	8.1	210	4.1

Basis for FY 1981 Request: Required to provide bulk encryption of high-volume voice and data circuits in the tactical (TRI-TAC) and strategic (Defense Satellite Communications System, Washington Area Wideband System, Digital European Backbone, and other communications programs). No other Key Generator is capable of encrypting multichannel communications at the high data rates of these systems.

Contract Data:

<u>Major Subsystem</u>	<u>Contractor</u>	<u>Type of Last Contract</u>
Tnk Encryp Dev, TSEC/KG-81	TRW - Colorado Electronics Colorado Springs, CO	C/PIF

Production Data:

	<u>FY 1979</u>	<u>FY 1980</u>	<u>FY 1981</u>	<u>FY 1982</u>	<u>FY 1983</u>
Funded.	27	465	210	XXXX	XXXX
Delivered	256	(350)	(135)	( 185)	( 196)
<u>Inventory/Objective:</u>					
	<u>END. FY 1979 FDP</u>	<u>1/</u>	<u>END FY 1980 FDP</u>		<u>END FY 1981 FDP</u>
Force Units - DFE <u>2/</u>	XXXX		XXXX		24
Inventory Objective	XXXX		XXXX		6503
On Hand/On Order	281		746		1066
% Inventory Objective Achieved	4.3		11.5		16.4

1/ FDP = Funded Delivery Period

2/ DFE = Division Force Equivalent

OTHER PROCUREMENT, ARMY  
Other Telecommunications Equipment Data Sheet

Service: Army

P-1 Line Item: 128, 129

Nomenclature: UMSTEAD

Description/Mission: UMSTEAD, TSEC/CI-11-1/CI-11-2, will provide communications security for the Defense Satellite Communications System (DSCS) through a single channel per carrier, frequency division multiple access, demand assignment technique. The equipment will be capable of handling both voice and data for users with low traffic requirements.

Cost Data (\$ Mil):

	<u>FY 1979</u>	<u>FY 1980</u>	<u>FY 1981</u>
	<u>Qty</u>	<u>Qty</u>	<u>Qty</u>
	<u>Amt</u>	<u>Amt</u>	<u>Amt</u>
upon System Cost	-0-	1.4	4.2

Basis for FY 1981 Request: This will be the second year of a two year multiyear contract let by NSA to satisfy the requirements of the Services to provide security for the DSCS or wire control system.

OTHER PROCUREMENT, ARMY  
Other Telecommunications Equipment Data Sheet

Service: Army

P-1 Line Item: 131

Nomenclature: Base Communications (FORSCOM)

Description/Mission: Equipment for new installations, improvements, and expansion of administrative telephone switching exchanges and other non-tactical telecom terminals at posts, camps and stations in the 50 United States and Panama.

Cost Data (\$ Mil):

<u>FY 1979</u>		<u>FY 1980</u>		<u>FY 1981</u>	
<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>
	7.1		6.6		3.5

Weapon- System Cost

Basis for FY 1981 Request: Provides resources for dial central office upgrades/expansions, telephone subscriber improvements, and post radio system upgrades.

OTHER PROCUREMENT, ARMY  
Other Telecommunications Equipment Data Sheet

Service: Army

P-1 Line Item: 132

Nomenclature: Base Communications (EUCOM)

Description/Mission: Equipment for new installations, improvements and expansion of administrative telephone switching exchanges and other non-tactical telecom terminals at posts, camps and stations in Europe.

Cost Data (\$ Mil):

	<u>FY 1979</u>		<u>FY 1980</u>		<u>FY 1981</u>	
	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>
Weapon System Cost		0.2		13.0		22.2

Basis for FY 1981 Request: Provides European Telephone System switch upgrade to replace present prewar technology telephone switching equipment installed following World War II. Continued degradation of the old system, manpower intensive, and difficult to maintain equipment necessitates upgrade with new technology. Denial of FY 1981 funds would directly affect readiness, ability of commands in Europe to carry out their missions, and mobilization of forces in alert situations.

OTHER PROCUREMENT, ARMY  
Other Telecommunications Equipment Data Sheet

Service: Army

P-1 Line Item: 135

Nonnomenclature: TMDE Modernization

Description/Mission: TMDE (Test Measurement and Diagnostic Equipment) Modernization will upgrade the manual TMDE currently in the Army inventory. The equipment to be procured will be commercial off-the-shelf that will have greater accuracy and be more reliable than the current equipment. Each item of the new equipment, generally, will replace 10-20 items of existing equipment.

Cost Data (\$ Mil):

	FY 1979		FY 1980		FY 1981	
	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>
weapons System Cost	-0-	-0-	-0-	-0-	-0-	22.8

Basis for FY 1981 Request: The FY 1981 program is the first year of a five year program to modernize the old unreliable and inefficient inventory TMDE.

OTHER PROCUREMENT, ARMY

Section 7

Analysis of Unobligated Balances

5-113 - 1/21/80

# OTHER PROCUREMENT, ARMY

## Analysis of Unobligated Balances - FY 1981 Program\*

Category	Estimated Unobligated Dollars % of Total	
	(Millions)	Unobligated
1. Reserved to support contracts	538.3	66.9
2. Engineering Changes	104.0	11.6
3. Other	254.7	21.5
	897.0	100.0%
Total Unobligated FY 1981		

Based on past experience, it is predicted that the above amounts will remain unobligated at the end of FY 81. Reasons for the unobligated balance have been grouped into three general categories, and are detailed below. These unobligated amounts will therefore be required in subsequent fiscal years to complete the procurement of the FY 81 program.

### 1. Reserved to Support Contracts:

- a. Held pending award of firm contracts as opposed to letter orders.
- b. Amounts reserved for incentive contract payments.
- c. Reimbursements to be made to the Army Stock Fund for short leadtime materiel purchased as Government-furnished equipment for producers.
- d. Amounts held to support Product and Component Improvement Programs; modification for retrofit during production; modifications ordered by customers.
- e. Contractor claims, reserves to cover potential liabilities for contracts containing escalation clauses for labor or material cost increases and price redeterminations.
- f. Contract for close-out costs; packing, crating, handling and packaging and loading charges.
- g. Government-furnished equipment breakout procurements; federal excise tax and sales tax payments; preparation of manuals and technical data; and reserve for completion of construction elements of production base support facilities projects.
- h. Delay due to design or testing difficulties.
- i. Award protests.
- j. Insufficient procurement detail involving reimbursable orders.
- k. Develop adequate competitive procurement or technical data package.
- l. Items released to Army by other customers too late to permit obligation in FY 1981.

\*Includes estimated FY 80 carry-over and other customer reimbursable programs.

OTHER PROCUREMENT, ARMY (Continued)

2. Engineering Changes:

- a. Engineering costs in support of production (obligated only as expenses are incurred).
- b. Validated engineering change orders to be incorporated into the current manufacturing process.
- c. Engineering changes as a result of acceptance testing, destructive and proving ground tests.
- d. Amounts reserved to support engineering change proposals and value engineering proposals.

3. Other:

- a. Changes to the previously planned method of procurement (i.e., competitive in lieu of sole source).
- b. Extension to bid opening dates.
- c. Additional time required to complete audits of cost data and to obtain contractor cost data.
- d. Unfavorable pre-award surveys and extended negotiations.
- e. Held pending validation of production capability of low bidder.
- f. Attaining a satisfactory production rate prior to awarding additional work.

Program and Financing Schedule and Object  
Classification Schedule for the Procurement  
of Equipment and Missiles, Army appropriation.

6-i - 1/28/80

28 JAN 30

Procurement of Equipment and Missiles, Army

Program and Financing (in thousands of dollars)

Identification code	21-2030-0-1-051	Budget plan (amounts for procurement actions programmed)			Obligations		
		1979 actual	1980 est.	1981 est.	1979 actual	1980 est.	1981 est.
Relation of obligations to outlays:							
1.00	Obligations incurred, not						
2.40	Obligated balance, start of year				18,826	11,281	7,281
4.40	Obligated balance, end of year				-11,281	-7,281	-6,281
7.00	Adjustments in expired accounts				7,741		
9.00	Outlays				15,285	4,000	1,000

6-1

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